7221

A GENERAL
TREATISE
OF
ARCHITECTURE.

IN SEVEN BOOKS.

CONTAINING

All that is Necessary to be known in Building, with several New Designs of Houses, *&c.* and also the Plans of their different Situations.

In a Manner entirely New and Pleasant.

BEING AN EASY

INTRODUCTION

TO THE

Knowledge of ARCHITECTURE and BUILDING,

And for the better understanding the RULES of

VITRUVIUS, PALLADIO, SCAMOZZI,

And others both ANTIENT and MODERN.

By *THOMAS ROWLAND*, of *New-Windsor*, Gent.

K.

TO WHICH IS ADDED,

A WORK of infinite Labour and Expence, consisting of TABLES for the Mensuration of all Sorts of Works us'd in Building, of great Use and Service to all ARCHITECTS, ARTIFICERS, and MEASURERS whatsoever.

LONDON:

Printed by HENRY PARKER in *Jewin-Street*,

For the AUTHOR, and Sold by J. COLE, Engraver, at the *Crown* in *Great Kirby-Street*, *Hatton-Garden*. M.DCC.XXXII.

14.

PREFACE.

WERE it not that Architecture is a Science so very large and extensive, it would hardly be imagined how so many Books could be made without repeating one and the same thing over and over again; but in this there is no Danger, for all that can, or ever will be said, on this Subject, will fall infinitely short of Perfection; new Beauties will arise, and elevate the Spirits of the Ingenious; there being Matter enough in the Works of Antiquity to exercise the Minds of those who delight in this Study for many Ages yet to come: I need only mention one among the many, which has not been explain'd, so as to form any just Ideas of it, and that is the famous Labyrinth built by Psamniticus King of Egypt, on the Banks of the River Nile, situated on the South of the Pyramides; it is said to contain a thousand Houses and twelve Royal Palaces, all covered with Marble; a Work so stupendiously great, that it almost surpasses Belief, were it not that we are well assur'd, that those People were accustom'd to such Works as are not to be found in any other Part of the World, as the Pyramides now standing do abundantly testify; so that I say, there is yet a large Field for those who have Leisure and Ability to oblige the World with their Labours.

I shall not presume to lay down new Rules to that which is commonly called the Orders of Architecture, I mean those of the Columns, whose several Parts and Divisions are so well establish'd, that, in my Opinion, nothing can be added to make them more beautiful; several Attempts of that Kind are to be met with, but whether with Success, must be left to Time and the Authority of the Learned in this Art; but notwithstanding this, a Man may, and must in his Compositions, use his Judgment in chusing and disposing of whatever is agreeable to him either in the Works of the Moderns or in Antiquity; but in this I am satisfied many Difficulties will arise, for it is next to impossible to hit the Taste of all, who have different Ideas, according to their Knowledge of these Things, and indeed considering the different Customs and Humours of People in one Country or Kingdom in themselves (in some Measure of Necessity, so by the Difference of the Clime and other Accidents of Nature) and between those of Foreign Nations, that it is no Wonder to see the strange and unaccountable Variety in the several Buildings of this World, but however there are some certain and positive Rules to be used in all Countries and Places, which shall be observed in its proper Place.

MY Design, therefore, in the following Treatise, is not to give you an elegant and curious History of Architecture, that being already done by several very eminent and learned Authors; but to give you a plain, easy and familiar Method, adapted to the Understandings of those who are not at all skill'd in Building, and to explain all the difficult Parts (which cannot be so well comprehended in Words) by Drawings graved on Copper Plates with proper Explanations.

IT

PREFACE.

IT must be confess'd, that many and great Difficulties attend the Study of this Art; some Books giving only Instructions how to make the several Orders of Columns, with the Divisions of their Parts, without shewing how or in what Manner, those Columns should be dispos'd of, nor so much as mentioning any other Part of Building; and others giving very good Directions in general, without shewing any Method, how or in what Manner to make or do what is propos'd, it being very easy to say, that a Building should be durable and commodious, that the Roofs and other Parts should be fram'd or wrought in a strong and substantial manner, and that the Water should be carefully convey'd from the Top or Roof, &c. *to some proper and convenient Place: These and many more useful Hints we often meet with in Books of* Architecture, *without so much as the least Directions, as is said above, how or in what Manner they should be done, the want of which, after great Expence and Labour in Books and Study, leaves you just where you were, or very little improv'd.*

IN the following Treatise you will find some or most of those Things which are so much wanted, my Design (with the Blessing of Almighty God) being to introduce all, that in my Opinion will be of Use and Service to our Buildings, that I can collect from our great Masters Vitruvius, Palladio, Scamozzi, *and others both Ancient and Modern, and also from the celebrated Buildings that are in the most known Parts of the World; and to dispose of the several Parts, as well as the whole, in such a moderate Way, that the Expence shall not exceed what may reasonably be spared from the Estate of the Builder; and in this I shall use my utmost Diligence, that I may, in most humble manner, contribute all in my Power to the Advancement of this* Noble Art, *which I most heartily wish may be brought to the utmost Perfection in these Nations, that* Great Britain *may be as famous for all useful Arts and Sciences, as she is renowned for her victorious Arms abroad, both by Sea and Land.*

IT will be a great Satisfaction to me, if, in the Opinion of knowing and wise Men, I have done any thing in this Treatise for the Good of Trade, by encouraging our Nobility and Gentry to amuse themselves with delightful Speculations in this fine Science, which may be a Means to induce them to lay out their Money in a good and frugal Way, to employ the poor and industrious Tradesmen, and others, who, for want of Employment, are very often reduced to the utmost Necessity. There remains nothing more to say, but that I give to Almighty God the Praises due to his most Holy Name, for enabling me to go through this very great and laborious Task, which I have done for my own Improvement, and for the Good and Benefit of Mankind in general, and that the learned and generous Reader would forgive any small Mistakes which is not possible to avoid in such a Work as this, which is divided into seven Books or Sections.

THE CONTENTS.

CHAP. I.

Containing the Use of the Tables in measuring of Superficies.

TO find the Superficial Content of a Square Pyramid Page i

To find the Superficial Content of a Boarded Floor or Roof ib.

To find the Superficial Content of a Room for Wainscotting, or Painting, &c. either in Feet and Inches, or Yards ii

Conclusion of the first Chapter ib.

CHAP. II.

Containing the Use of the Table in measuring Solids.

To find the Solid Content of a Square Pyramid iii

To find the Contents of a Brick-wall of several Thicknesses iv

To find the Solid Contents of several Pieces of Timber ib.

A particular Way of Working by the Tables, very accurate v

To find the Quantity of Cubical Feet and Inches in a Back or Cooler, or other Vessel, and bringing the same into Gallons, &c. vi

To find the Quantity of Gallons in a Spheroidical Vessel like a Hogshead ib.

Four several Ways of finding the Number of Gallons, &c. in the said Vessel set down in Figures vii

To find the Number of Loads of Gravel to make a Walk, or the Loads of Earth to be moved in Levelling of Ground, &c. viii

Conclusion of the second Chapter ib.

N.B. The Letters in the Index as A B C, *&c.* and the Figures 1 2 3 4, are as References to the several Pages, in the Manner of a Shop-Book, to those who will take the Pains to make the Letters, *&c.* on the Margent of the Leaves.

An Alphabetical INDEX, by which the Dimensions wanted may easily be found.

A	0 0 ¼	0 0 ¼	to 0 3 0	Page 1	2 5 ¾	0 0 ¼	to 0 3 0
B	2 6 0	0 0 ¼	to 0 3 0	Page 2	4 11 ¾	0 0 ¼	to 0 3 0
B	5 0 0	0 0 ¼	to 0 3 0	Page 3	7 5 ¾	0 0 ¼	to 0 3 0
C	7 6 0	0 0 ¼	to 0 3 0	Page 4	9 11 ¾	0 0 ¼	to 0 3 0
C	10 0 0	0 0 ¼	to 0 3 0	Page 5	12 5 ¾	0 0 ¼	to 0 3 0
D	12 6 0	0 0 ¼	to 0 3 0	Page 6	14 11 ¾	0 0 ¼	to 0 3 0
D	0 3 0	0 3 ¼	to 0 6 0	Page 7	2 8 ¾	0 0 ¼	to 0 6 0
E	2 9 0	0 3 ¼	to 0 6 0	Page 8	5 2 ¾	0 3 ¼	to 0 6 0
E	5 3 0	0 3 ¼	to 0 6 0	Page 9	7 8 ¾	0 3 ¼	to 0 6 0
F	7 9 0	0 3 ¼	to 0 6 0	Page 10	10 2 ¾	0 3 ¼	to 0 6 0
F	10 3 0	0 3 ¼	to 0 6 0	Page 11	12 5 ¾	0 3 ¼	to 0 6 0
G	0 6 0	0 6 ¼	to 0 9 0	Page 12	2 11 ¾	0 6 ¼	to 0 9 0
G	3 0 0	0 6 ¼	to 0 9 0	Page 13	5 5 ¾	0 6 ¼	to 0 9 0
H	5 6 0	0 6 ¼	to 0 9 0	Page 14	7 11 ¾	0 6 ¼	to 0 9 0
H	8 0 0	0 6 ¼	to 0 9 0	Page 15	10 5 ¾	0 6 ¼	to 0 9 0
I	10 6 0	0 6 ¼	to 0 9 0	Page 16	12 5 ¾	0 6 ¼	to 0 9 0
I	0 9 0	0 9 ¼	to 0 10 ¾	Lower Part of Page 16	0 10 ¾	0 9 ¼	to 0 10 ¾
K	0 11 0	0 9 ¼	to 1 0 0	Page 17	3 4 ¾	0 9 ¼	to 1 0 0
K	3 5 0	0 9 ¼	to 1 0 0	Page 18	5 10 ¾	0 9 ¼	to 1 0 0
K	5 11 0	0 9 ¼	to 1 0 0	Page 19	8 4 ¾	0 9 ¼	to 1 0 0
L	8 5 0	0 9 ¼	to 1 0 0	Page 20	10 10 ¾	0 9 ¼	to 1 0 0
L	10 11 0	0 9 ¼	to 1 0 0	Page 21	12 5 ¾	0 9 ¼	to 1 0 0
L	1 0 0	1 0 ¼	to 1 3 0	Lower Part of Page 21	1 6 ¾	1 0 ¼	to 1 0 0
M	1 7 0	1 0 ¼	to 1 3 0	Page 22	4 0 ¾	1 0 ¼	to 1 0 0
M	4 1 0	1 0 ¼	to 1 3 0	Page 23	6 6 ¾	1 0 ¼	to 1 3 0
N	6 7 0	1 0 ¼	to 1 3 0	Page 24	9 0 ¾	1 0 ¼	to 1 3 0
N	9 1 0	1 0 ¼	to 1 3 0	Page 25	11 6 ¾	1 0 ¼	to 1 3 0
O	11 7 0	1 0 ¼	to 1 3 0	Page 26	12 5 ¾	1 0 ¼	to 1 3 0
O	1 3 0	1 3 ¼	to 1 6 0	Lower Part of Page 26	2 5 ¾	1 3 ¼	to 1 6 0
P	2 6 0	1 3 ¼	to 1 6 0	Page 27	4 11 ¾	1 3 ¼	to 1 6 0
P	5 0 0	1 3 ¼	to 1 6 0	Page 28	7 5 ¾	1 3 ¼	to 1 6 0
Q	7 6 0	1 3 ¼	to 1 6 0	Page 29	9 11 ¾	1 3 ¼	to 1 6 0
Q	10 0 0	1 3 ¼	to 1 6 0	Page 30	12 5 ¾	1 3 ¼	to 1 6 0
R	1 6 0	1 6 ¼	to 2 0 0	Page 31	3 11 ¾	1 6 ¼	to 2 0 0
R	4 0 0	1 6 ¼	to 2 0 0	Page 32	6 5 ¾	1 6 ¼	to 2 0 0
S	6 6 0	1 6 ¼	to 2 0 0	Page 33	8 11 ¾	1 6 ¼	to 2 0 0
S	9 0 0	1 6 ¼	to 2 0 0	Page 34	11 5 ¾	1 6 ¼	to 2 0 0
S	11 6 0	1 6 ¼	to 2 0 0	Page 35	12 5 ¾	1 6 ¼	to 2 0 0
S	2 0 ½	2 0 ½	to 3 0 0	Lower Part of Page 35	4 4 0	2 0 ½	to 3 0 0
T	4 4 ½	2 0 ½	to 3 0 0	Page 36	9 4 0	2 0 ½	to 3 0 0
T	9 4 ½	2 0 ½	to 3 0 0	Page 37	12 6 0	2 0 ½	to 3 0 0
T	3 0 ½	3 0 ½	to 4 0 0	Lower Part of Page 37	4 2 0	3 0 ½	to 4 0 0
V	4 2 ½	3 0 ½	to 4 0 0	Page 38	9 2 0	3 0 ½	to 4 3 0
V	9 2 ½	3 0 ½	to 4 0 0	Page 39	12 6 0	3 0 ½	to 4 0 0
V	4 0 ½	4 0 ½	to 5 0 0	Lower Part of Page 39	5 0 0	4 0 ½	to 5 0 0
W	5 0 ½	4 0 ½	to 5 0 0	Page 40	10 0 0	4 0 ½	to 5 0 0
W	10 0 ½	4 0 ½	to 5 0 0	Page 41	12 6 0	4 0 ½	to 5 0 0
W	5 0 ½	5 0 ½	to 6 0 0	Lower Part of Page 41	6 10 0	5 0 ½	to 6 0 0
X	6 10 ½	5 0 ½	to 6 0 6	Page 42	11 10 0	5 0 ½	to 6 0 0
X	11 10 ½	5 0 ½	to 6 0 0	Upper Part of Page 43	12 6 0	5 0 ½	to 6 0 0
X	6 0 ½	6 0 ½	to 7 0 0	Lower Part of Page 43	9 8 0	6 0 ½	to 7 0 0
Y	9 8 ½	6 0 ½	to 7 0 0	Page 44	12 6 0	6 0 ½	to 7 0 0
Y	7 0 ½	7 0 ½	to 8 0 0	Lower Part of Page 44	8 6 0	7 0 ½	to 8 0 0
Y	8 6 ½	7 0 ½	to 8 0 0	Page 45	12 6 0	7 0 ½	to 8 0 0
Y	8 0 ½	8 0 ½	to 8 4 0	Lower Part of Page 45	8 4 0	8 0 ½	to 8 4 0
Z	8 4 ½	8 0 ½	to 9 0 0	Page 46	12 6 0	8 0 ½	to 9 0 0
Z	9 0 ½	9 0 ½	to 9 2 0	Lower Part of Page 46	9 2 0	9 0 ½	to 9 2 0
Z	9 2 ½	9 0 ½	to 10 0 0	Page 47	12 6 0	9 0 ½	to 10 0 0
Z	10 0 ½	10 0 ½	to 11 0 0	Lower Part of Page 47	11 0 0	10 0 ½	to 11 0 0
&c	11 0 ½	10 0 ½	to 11 0 0	Upper Part of Page 48	12 6 0	10 0 ½	to 11 0 0
&c	11 0 ½	11 0 ½	to 12 0 0	Middle Part of Page 48	12 6 0	11 0 ½	to 12 6 0
&c	12 0 ½	12 0 ½	to 12 6 0	Lower Part of Page 48	12 6 0	12 0 ½	to 12 6 0
				The printed TABLES.			
1	0 0 ½	0 0 ½	to 0 11 0	Page 49	108 0 0	0 0 ½	to 0 11 0
1	109 0 0	0 0 ½	to 0 11 0	Page 49	228 0 0	0 0 ½	to 0 11 0
2	229 0 0	0 0 ½	to 0 11 0	Page 50	348 0 0	0 0 ½	to 0 11 0
2	349 0 0	0 0 ½	to 0 11 0	Page 50	468 0 0	0 0 ½	to 0 11 0
3	13 0	13 0	to 24 0	Page 51	132 0	13 0	to 24 0
3	25 0	25 0	to 36 0	Page 51	144 0	25 0	to 36 0
4	133 0	13 0	to 24 0	Page 52	252 0	13 0	to 24 0
4	145 0	25 0	to 36 0	Page 52	264 0	25 0	to 36 0

BOOK I.

In Three PARTS or SECTIONS.

PART I.

Containing some Useful and Necessary QUESTIONS in

ARITHMETICK.

CHAP. I.

ADDITION of WHOLE NUMBERS.

EXAMPLE I.

LET it be required to add, One thousand seven hundred and thirty one, to Five thousand four hundred and thirty two.

Set the Sums in Figures thus

$$\begin{array}{r} 5432 \\ 1731 \\ \hline 7163 \end{array}$$

Then draw a Line under them, and begin at the Place of Unites, which is always the first Figure on the Right-hand, and say one and two makes three, set the three down underneath in the Place of Unites; then say three and three makes six, set the six down in the Place of Tens; then say seven and four makes eleven, set down one in the Place of Hundreds, and carry one to the next Place of Thousands, and say, one that I carry'd, and one, is two, and five makes seven, which set down, and then you will find the Sum required to be Seven thousand one hundred and sixty three.

EXAMPLE II.

Let it be required to find the Sum of the following Numbers added together, *viz.* Nine hundred eighty seven millions, six hundred fifty four thousand, three hundred and twenty one; Eighty seven millions, six hundred, fifty four thousand, three hundred and twenty one; Seven millions, six hundred fifty four thousand, three hundred and twenty one; Six hundred fifty

four thousand, three hundred and twenty one; Fifty four thousand, three hundred and twenty one; Four thousand, three hundred and twenty one; Three hundred and twenty one; Twenty one; and One or Unite.

Set the abovemention'd Sums one under another as before; the Unites under Unites, the Tens under Tens, and the Hundreds, Thousands, Tens of Thousands, &c. in their proper Places: Thus, *viz.* Nine hundred and eighty seven millions, six hundred fifty four thousand, &c. Then Eighty seven millions, &c. and so on till you have set down all the Sums: Then draw a Line under them, and begin at the Place of Unites, and say 1 and 1 is 2, and 1 is 3, and 1 is 4, and 1 is 5, and 1 is 6, and 1 is 7, and 1 is 8, and 1 is 9; set the 9 down under the Line in the Place of Unites. Then begin at the Place of Tens, and say 2 and 2 is 4, and 2 is 6, and 2 is 8, and 2 is 10, and 2 is 12, and 2 is 14, and 2 is 16; set the 6 down in the Place of Tens, and carry One to the Place of Hundreds, and say 1 and 3 is 4, and 3 is 7, and 3 is 10, and 3 is 13, and 3 is 16, and 3 is 19, and 3 is 22; set the 2 down under the Place of Hundreds, and carry the other 2 to the next Place of Thousands, and say 2 and 4 is 6, and 4 is 10, and 4 is 14, and 4 is 18, and 4 is 22, and 4 is 26; set down the 6 in the Place of Thousands, and carry 2 to the Place of Ten thousands, and say, 2 and 5 is 7, and 5 is 12, and 5 is 17, and 5 is 22, and 5 is 27; set the 7 down, and carry the 2 to the next Place of Hundreds of thousands, and say, 2 and 6 is 8, and 6 is 14, and 6 is 20, and 6 is 26; set down the 6, and carry the 2 to the next Place of Millions, and say, 2 and 7 is 9, and 7 is 16, and 7 is 23; set down the 3, and carry the 2 to the next Place of Tens of millions, and say, 2 and 8 is 10, and 8 is 18; set down the 8, and carry the 1 to the next and last Place of Hundreds of millions, and say, 1 and 9 makes 10, which set down, and then you will find the Sum of all the Numbers to be Ten hundred eighty three millions, six hundred seventy six thousand, three hundred and sixty nine. These two Examples comprehend all that need be said in Addition of whole Numbers.

```
 987654321
  87654321
   7654321
    654321
     54321
      4321
       321
        21
         1
----------
1083676269
```

CHAP. II.

SUBTRACTION of Whole Numbers.

EXAMPLE I.

LET it be required to subtract or take from One hundred forty five Pounds, or One hundred forty five Yards or Feet, &c. Ninety three Pounds, Yards or Feet, &c.

Set the Sums in Figures the same as you did in Addition thus,

```
145
 93
---
 52
```

then begin at the Place of Unites, and say 3 from 5 and there remains 2; set down the 2, and then say 9 from 4 I cannot, but 9 from 14 and there remains 5; that being set down makes the Remainder 52.

EXAMPLE II.

Let it be required to buy Eight thousand five hundred sixty seven Load or Feet of Timber, Stone, or other Materials, &c. out of which you have used or sold Seven thousand six hundred thirty nine Loads or Feet, &c. the Question is, what remains.

Set the Sums as before, then begin at the Place of Unites, and say 9 from 7 I cannot; therefore always in this Case borrow 10, and add it to the upper Number which is here 7, and say 10 and 7 is 17, out of which you must take the 9, and say 9 from 17 and there remains 8, which set down, and say 1 that I borrow'd and 3 is 4, and 4 from 6 there remains 2, which set down, and say 6 from 5 I cannot, but 6 from 15 and there remains 9, which set down, and say 7 and 1 that I borrowed is 8, and 8 from 8 remains nothing, which you may set down and describe by an 0 or Cypher, or let it alone as you please, the Remainder will then be Nine hundred and twenty eight, and so much may suffice for Subtraction of Whole Numbers.

```
8567
7639
----
0928
```

CHAP.

CHAP. III.

MULTIPLICATION.

THE following Table being absolutely necessary to learn by heart, you must begin and say twice 2 is 4, twice 3 is 6, and so on till you come to say twice or 2 times 12 is 24; then say 3 times 3 is 9, 3 times 4 is 12, and so on to the end of the Table, which I hope will be found so easy, that nothing more need be said by Way of Explanation.

The TABLE.

twice or 2 times	thrice or 3 times	four times	five times	six times	seven times	eight times	nine times	ten times	eleven times	twelve times
2 is 4	3 is 9	4 is 16	5 is 25	6 is 36	7 is 49	8 is 64	9 is 81	10 is 100	11 is 121	12 is 144
3 is 6	4 is 12	5 is 20	6 is 30	7 is 42	8 is 56	9 is 72	10 is 90	11 is 110	12 is 132	
4 is 8	5 is 15	6 is 24	7 is 35	8 is 48	9 is 63	10 is 80	11 is 99	12 is 120		
5 is 10	6 is 18	7 is 28	8 is 40	9 is 54	10 is 70	11 is 88	12 is 108			
6 is 12	7 is 21	8 is 32	9 is 45	10 is 60	11 is 77	12 is 96				
7 is 14	8 is 24	9 is 36	10 is 50	11 is 66	12 is 84					
8 is 16	9 is 27	10 is 40	11 is 55	12 is 72						
9 is 18	10 is 30	11 is 44	12 is 60							
10 is 20	11 is 33	12 is 48								
11 is 22	12 is 36									
12 is 24										

EXAMPLE I.

Let it be required to multiply one hundred and thirty four by two, three, four and five.

Set down the Sums thus	134	134	134	134
	2	3	4	5
	268	402	536	670

Then say twice 4 is 8, set down the 8 in the place of Unites, then say twice 3 is 6, which likewise set down in the place of Tens, then say twice 1 is 2, set down the 2 in the place of Hundreds; then begin the next Multiplication by 3, and say 3 times 4 is 12, set down the 2 and caray 1 to the next Figure on the left hand, and say 3 times 3 is 9 and 1 that I carry'd is 10, set down the 0 or Cypher and carry one to the next place, and say 3 times one is 3 and 1 that I carry'd is 4, which set down; then begin the next Multiplication and say 4 times 4 is 16, and so on as you have already done in the foregoing Sums, till you have finish'd, and then you will find the Product to be, in the first Sum Two hundred and sixty eight, in the second Four hundred and two, in the third Five hundred and thirty six, and in the fourth Six hundred and seventy.

EXAMPLE II.

Let it be required to multiply 5107 by 210, and also to multiply the Product which is 1072470, by 59, and again to multiply that Product which is 63275730 by 1795.

Set

Set down the Dimensions or Sums thus, and say nought times 7 is nothing, nought times nought is nothing, nought times 1 is 0 or nothing, and 0 times 5 is nothing, which set down by 0000, then say once 7 is 7, once nought is nought, once 1 is 1, and once 5 is 5, which set down in the same manner as before; then say twice 7 is 14, set down the 4 and carry 1, and say twice 0 or nought is nought, but 1 that I carry'd is 1, which set down; then say twice 1 is 2, and twice 5 is 10, set down the 2 and the 10 as in the Example; then add or cast up the Sums as you have been already shewn, and you will find the Product to be One million seventy two thousand four hundred and seventy, which Product multiply'd by 59, produces Sixty three millions, two hundred seventy five thousand, seven hundred and thirty; that Product again multiply'd by the third Number propos'd, makes the Sum total One hundred and thirteen thousand, five hundred and seventy nine millions, nine hundred and thirty five thousand, three hundred and fifty. There is nothing more to be observed here, but that you always set the Product of every Figure under its proper Place, the Unites under the Unites, the Tens under the Tens, and the Hundreds under the Hundreds, &c. for if you please to observe when you began with 0 or nothing in the Place of Unites, and said nought times 7 is 0 or nothing, the 0 or nothing was set down in the Place of Unites; the next Figure you began with was 1 in the Place of Tens, the Product of which was put in the Place of Tens; the next was 2 in the Place of Hundreds, and therefore you placed the first Figure of its Product, which was 4, in the Place of Hundreds, and so you must do when you come to Thousands and ten Thousand, &c. There is more expeditious ways of solving these Questions known to all Accomptants, and which may easily be found in many Books wrote on purpose; but this being for those only who have made little or no Progress in Arithmetick, as well as for the sake of Method, I am in hopes of being excused, and do most humbly desire the candid Reader to pass by what he has no Occasion for, and proceed to that Part which will require his more serious Attention.

```
        5107
         210
        ----
        0000
       5107
      10214
     -------
     1072470
          59
     -------
     9652230
    5362350
    --------
    63275730
        1795
   ---------
   316378650
  569481570
 442930110
63275730
------------
113579935350
```

CHAP IV.

DIVISION.

LET it be required to know how many times two there is in ninety six, and how many times three, four and five there is in the same Sum.

Set the Sums down thus, and call the Number you divide by the Divisor, the Number which is to be divided, the Dividend, and the third Number (being so many times the Divisor in the Dividend) the Quotient; then say how many times 2 can I have in 9, which you may easily find to be 4 times, therefore set down the 4 in the Quotient and say 4 times 2 is 8, set the 8 under the 9, then subtract, and say, 8 from 9 and there remains 1, set that down, and then make a dot or prick under the 6, to signify, that you have brought down the 6 to the 1, to make a new Dividend, which is a Rule you must always strictly observe; then say how many times 2 is there in 16, which you will find to be 8, set the 8 down in the Quotient and say, 8 times 2 is 16, set the 16 down underneath, and subtract as you did before, and you will find the Remainder to be 0, or nothing; so that you have 48 times 2 in 96. Now to know how many times 3, 4 and 5 there is in 96, you must begin again and say, the threes in 9 are 3 times, which must be set down in the Quotient, as in the Example, and say 3 times 3 is 9, set the 9 down under the 9 in the Dividend, and subtract as before, and bring down the 6 for a new Dividend, &c. as in the first Example, till you have done all the Sums, or Questions, as above, and then you will find there is 48 times 2, 32 times 3, 24 times 4, and 19 times 5, and 1 remaining in the abovesaid Sum 96.

```
Divisor Dividend Quotient
 2 ) 96 ( 48     3)96(32     4)96(24     5)96(19
     8·            9·          8·          5·
     --            --          --          --
     16            06          16          46
     16            06          16          45
     --            --          --          --
     00            00          00           1
```

EXAMPLE II.

Let it be required to divide Nine hundred and eighty seven millions, six hundred fifty four thousand, three hundred and twenty one, by Five hundred and forty three, which is to know how many five hundreds and forty threes, there is in the abovesaid Sum of Nine hundred and eighty seven millions, &c.

Set

Set down the Example in Figures thus, then say how many times 543 can I have in 987 (the three first Figures of the Dividend) which can be but once, for twice 543 makes 1086 which is more than the 987, therefore you must set the 1 down in the Quotient, and say, once 3 is 3, once 4 is 4, once 5 is 5, which set down as you see in the Example, then subtract and say, 3 from 7 and there remains 4, set that down, then say 4 from 8 and there remains 4, set that down, and lastly say, 5 from 9 and there remains 4, set that down likewise, then make a prick or point under the 6, to signify, that you have brought it down to the new Dividend, which will then be 4446, then try how many times 543 you can have in 4446, or which is easier, say how many times 5 the first Figure towards the Left-hand in the Divisor, can I have in 44, which you will find to be 8, set down the 8 in the Quotient, and multiply the Divisor by it, and say 8 times 3 is 24, set down the 4 under the new Dividend, and carry 2, and say 8 times 4 is 32, and 2 that I carry'd is 34, set down the 4 and carry 3, and say 8 times 5 is 40, and three that I carry'd is 43, which set down, and subtract that Sum out of the Dividend, as before, then bring down 5 the next Figure in the first Dividend, which will make you a new Dividend, and this Method must be continued till you have brought down all the Figures in the first Dividend, always remembring to make a dot or prick at the Figure when you bring it down, and also to observe, that when the first Figure of the Divisor is greater than the first Figure in the Dividend, you must take the two first Figures in the Dividend, as in the Example above, when you try'd how many times 5 there was in 44, for 4 in that new Dividend being less than 5 in the Divisor, was the Reason of the next Figure being added to it, and this is a constant Rule. The whole Work being done, you will find that there is, One million, eight hundred and eighteen thousand, eight hundred and eighty four times, five hundred and forty three (your Divisor) in Nine hundred eighty seven millions, six hundred fifty four thousand, three hundred and twenty one, your Dividend, and three hundred and nine remaining. For the Proof of this, and all other Sums in Division, you must multiply the Divisor, by the Quotient, and take in the Remainder, when there is any, as in the Example, the Sum of this Multiplication with the remainder will always be the same as the Dividend, otherwise your Work is false.

543)987654321(1818884	
543······	543
4446	5456652
4344	7275536
	9094420
1025	
543	987654012
	309
4824	
4344	987654321
4803	
4344	
4592	
4344	
2481	
2172	
309	

CHAP. V.

ADDITION of MIXT NUMBERS.

EXAMPLE I.

LET it be required to add 36 Pounds 10 Shillings and one Penny, to 41 Pounds 5 Shillings and 6 Pence 3 Farthings.

Set them down thus, and add them together

l.	s.	d.
36	10	1
41	05	$6\frac{3}{4}$
77	15	$7\frac{3}{4}$

This must be done in the manner as the foregoing Examples, with this difference only, that every fourth Farthing must be carried to the Pence, and every twelfth Penny to the Shillings, and every twentieth Shilling to the Pounds, as follows in the second Example; there being in this but 3 in the Farthings, 7 in the Pence and 15 in the Shillings, nothing can be carried from one Denomination to the other, and therefore the 3-4ths or 3 Farthings must be set down under the Farthings; then go to the Pence, and say 6 and 1 makes 7, set that down under the Pence; then go to the Shillings and say 5 and 10 is 15, which must be set under the Shillings; then in the Pounds say, 1 and 6 is 7 and 4 and 3 is 7, which being set down makes the Sum total Seventy seven Pounds fifteen Shillings and seven Pence three Farthings.

EXAMPLE II.

Let it be required to add One hundred and six Pounds twelve Shillings and nine Pence to the several Sums undermentioned, *viz.* Two hundred and nine Pounds three Shillings and two Pence farthing, five hundred and seven Pounds, six Shillings and ten Pence halfpenny, One thousand nine hundred and fifty three Pounds sixteen Shillings and five Pence three farthings, One

hundred and twenty eight Pounds thirteen Shillings and eleven Pence farthing, Two thousand eight hundred and seven Pounds eleven Shillings and nine Pence halfpenny.

Set down the Sums one under another thus

To which put the Sum required to be added, *viz.*

l.	*s.*	*d.*
203	03	02· $\frac{1}{4}$
507	06	10 $\frac{1}{2}$
1953	16	05· $\frac{3}{4}$
128	13	11· $\frac{1}{4}$
2807	11	09· $\frac{1}{2}$
106	12	09
5713	05	00 $\frac{1}{4}$

Then begin with the Farthings and say, 2 and 1 is 3 and 3 is 6 and 2 is 8 and 1 is 9, then see how many fourths there is according to the Rule aforemention'd, and you will find two and one remaining, for 2 fours make 8, which being taken out of 9 there remains 1, set that down as before directed and carry 2 to the Pence and say, 2 and 9 is 11 and 9 is 20, out of which take the twelfth Penny and make a dot or prick at the 9; then say 8 that remains and 11 is 19, at which place make a dot and take 12 out of 19 there remains 7, which carry on and say, 7 and 5 is 12, make another dot there; nothing remaining here, you must begin at the 10 and say, 10 and 2 is 12, make another dot there, and since there is nothing remaining you must set o, or nothing, down under the Pence, and count the number of the dots or pricks, which you will find to be 4, carry them to the Shillings and say, 4 and 2 is 6 and 1 is 7 and 3 is 10 and 6 is 16 and 6 is 22 and 3 is 25, set down the 5 in the place of Unites under the Shillings and carry the 2 to the next Line of Figures and say, 2 and 1 is 3 and 1 is 4 and 1 is 5 and 1 is 6, this number being so many 10 Shillings must be halved or divided by 2 to bring it into Pounds, say then the half of 6 is 3 and there remains nothing, set down the o, or nothing, and carry the 3 to the Pounds, which must be added up in the same manner you did in Whole Numbers, and whenever the Number of this Line of 10 Shillings is not even there will always be one or 10 Shillings remaining, as for example, suppose the Number to be 7, 9 or 11, the half of the first would be 3 *l.* 10 *s.* the second 4 *l.* 10 *s.* and the third 5 *l.* 10 *s.* &c. which 1 or 10 Shilling must always be set down under the second Line or Column of the Shillings in the same place where you set the o, or Cypher.

Some EXAMPLES *for the Exercise of the Learner.*

53	03	07· $\frac{1}{2}$
16	04	02
03	09	01 $\frac{1}{4}$
75	16	03 $\frac{3}{4}$
148	13	02 $\frac{1}{2}$

31	02	09·
17	13	04 $\frac{1}{2}$
09	08	03 $\frac{1}{4}$
11	11	11 $\frac{1}{4}$
69	16	04

05	03	02
01	02	09 $\frac{1}{4}$
03	04	01·
01	10	11
11	00	11 $\frac{1}{4}$

EXAMPLE II.

Let it be requir'd to add the several Quantities undermention'd together, *viz.* Eight hundred three Quarters seventeen Pounds and four Ounces, Seventeen hundred two Quarters six Pounds twelve Ounces, Seven hundred one Quarter twenty six Pounds, Fifteen hundred nineteen Pounds and eight Ounces, Four hundred one Quarter and twenty seven Pounds, and Thirty hundred three Quarters eleven Pounds and four Ounces.

Set them down thus

C.	*Qrs.*	*lb*	*Oz.*
08	3	17	04
17	2	06	12·
07	1	26·	00
15	0	19·	08
04	1	27·	00
30	3	11	04
84	1	23	12

This must be done the same as the Pounds, Shillings and Pence, &c. with this difference only, that every 16th Ounce must be carried to the Pounds, every 28th Pound must be carried to the Quarters, and every 4th Quarter must be carried to the Hundreds; as for example, begin at the 4 Ounces and say, 4 and 8 is 12 and 12 makes 24, out of which if you take 16, the Ounces in a Pound, and make a dot at 12, there will remain 8, which you must carry up and say, 8 and 4 is 12, this being less than 16 must be set down underneath, then carry the one Pound to the Pounds and say, 1 and 11 is 12 and 27 is 39 out of which you must take 28 and make a dot or prick at 27 and carry up the remainder, which is 11, and say 11 and 19 makes 30, out of which the 28 must be deducted as before, then make another dot or prick at 19 and carry up the remainder, which is 2, and say, 2 and 26 is 28, at which place make another dot, there being no remainder you must go on and say, 6 and 17 is 23, which being under the Number of Pounds in one Quarter of a Hundred you must set down underneath, and carry the number of dots or pricks, which is 3, to the Quarters of Hundreds and say, 3 and 3 is 6 and 1 is 7 and 1 is 8 and 2 is 10 and 3 is 13, every fourth part being taken out (which is the same as to divide 13 by

by 4) there will be 3 and 1 remaining, for 3 times 4 is 12 which from 13 remains 1, set the 1 down and carry the 3 to the Hundreds and say, 3 and 0 is 3 and 4 is 7 and 5 is 12 and 7 is 19, and so on as you did in Addition of Whole Numbers, and then you will find the Sum to be Eighty four Hundred one Quarter twenty three Pounds twelve Ounces. Be pleas'd to observe here, that One hundred Weight of Lead, Iron or Brass, &c. is 112 lb, half a hundred 56 lb, and a quarter of a hundred 28 lb, and is seldom weigh'd nearer than to a quarter of a Pound, therefore instead of Ounces you may set down the Halfpounds and Quarters, &c. in the same manner you did in the Farthings, &c. An Example or two is set down for the Exercise of the Learner.

C.	Qrs.	lb
24	3	16 ¼
06	1	03
04	2	11 ½
31	0	09 ¼
11	1	04 ¾
78	0	16 ¾

C.	Qrs.	lb
31	0	12 ½
16	2	09 ¼
07	0	03 ¾
19	3	17 ½
20	2	23 ¼
95	1	10 ¼

EXAMPLE III.

Let it be required to add three Miles six Furlongs ten Poles and 11 Feet, to forty one Miles five Furlongs thirty three Pole and ten Feet.

Miles	Furl.	Poles	Feet
41	5	33	10
03	6	10	11
45	4	04	04 ½

Set down the Miles, &c. as in the Margin, and add them together as before, only observing that every 16 Foot and a half, which is the Length of a Pole or Perch, must be carried to the Poles, and every 40th Pole to the Furlongs, and every 8th Furlong to the Miles. Begin then and say, 11 and 10 is 21, out of which if you take 16 Foot ½ there remains 4 Foot ½, which must be set down as you see in the Example, and carry 1 to the Poles and say, 1 and 10 is 11 and 33 is 44, out of which you must take 40 and set down the remainder which is 4, and carry 1 to the Furlongs and say, 1 and 6 is 7 and 5 is 12, out of which you must take 8 and set down the remainder, which is 4, then carry 1 to the Miles and say, 1 and 3 is 4 and 1 is 5, set that down and say, 4 is 4, which likewise set down, and then the Sum of both will be 45 Miles 4 Furlongs 4 Poles and 4 Foot ½.

EXAMPLE IV.

Let it be required to add sixteen Acres three Roods and twenty seven Rods or Perches to thirty six Acres one Rood and eleven Perches.

Acres	Roods	Perches
36	1	31
16	3	27
53	1	18

Set down the Acres and Roods, &c. and add them together as in the other Examples, only remembring that 40 Perches or Poles makes a Rood or one quarter of an Acre, and that 4 Roods make an Acre, which must be carried to their several Denominations as before, and this is a constant Rule in all Examples of Addition of Mix'd Numbers.

EXAMPLE V.

Let it be required to add five Years three quarters eleven Weeeks four Days seventeen Hours and fifty two Minutes, to twenty one Years and a half nine Weeks five Days twenty three Hours and thirteen Minutes.

Years	Qrs.	Weeks	Days	Hours	Min.
21	2	09	5	23	13
05	3	11	4	17	52
27	2	07	3	17	05

Set down the Years and Quarters, &c. and add them together, but first be pleased to observe that every 60 Minutes must be carried to the Hours, and every 24 Hours to the Days, every 7 Days to the Weeks, every 13 Weeks to the Quarters, and every 4 Quarters to the Years; this will do well enough for the common Division of the Year, tho' not exactly true, for there is 365 Days and very near one quarter of a Day in one Year, so that in four Years there is almost one Day lost, which is added every fourth or Leap Year: This however in common Practice may be sufficient; begin then and say, 52 and 13 is 65, and that in 65 Minutes there is 1 Hour and 5 Minutes, which 5 must be set down and the Hour carried to the Hours, and so on till you have finish'd your Addition according to the Rules before observ'd.

EXAM-

EXAMPLE VI.

Let it be required to add thirty Feet eleven Inches and three quarters, to fifty seven Feet ten Inches and a half.

Feet	In.
57	10 ½
30	11 ¾
88	10 ¼

Set down the Dimensions, as in the Margin, and please to say, that 2 4ths and one half is 5, which being divided by 4 the Number of Quarters in an Inch there will remain one, set down the one Quarter, and carry 1 Inch to the Inches, and say 1 and 11 is 12 and 10 makes 22, which being divided by 12 the Number of Inches in a Foot, the remainder, which is 10, must be set down under the Inches and carry 1 Foot to the Feet, and say 1 and 7 is 8 and 3 and 5 is 8, which finishes your Question; but in some Cases it may be requisite to add other Parts of Inches, then halves and quarters, &c. and therefore I will give another Example.

EXAMPLE VII.

Let it be required to add the several under-written Dimensions together, *viz*, One hundred and six Feet eleven Inches and one quarter, Forty nine Feet ten Inches and three quarters, Ninety seven Feet and seven twelfths of an Inch, One hundred and forty three Feet and eleven twelfths or parts of an Inch, and Fifty nine Feet four Inches and a half.

In this Example the Inches are supposed to be divided into twelve Parts, and that when the Dimension happens to be one quarter, or one half, or three quarters, the Parts will be 3, 6 and 9, that is to say 3 for one quarter, 6 for one half, and 9 for three quarters.

Feet	*Inches*	*Parts*
106	11	03
049	10	09
097	00	07
143	10	11
059	04	06
457	02	00

Set down the several Dimensions one under another, and add them up together as before, and divide the Parts by 12, as well as the Inches. In the Parts the Number is 36, which being divided by 12, the Quotient will be 3, and nothing remain, therefore set down 0 underneath the Parts, and carry the 3 to the Inches, and say 3 and 4 is 7 and 10 is 17, &c. till the whole is added up, making in all 38, which being divided by 12 the Quotient will be 3 and the Remainder 2, which must be set down, and the 3 carried to the Feet, and added up with them, as in Whole Numbers, &c.

EXAMPLE VIII.

Let it be required to add six Tons two Pipes three Hogsheads, fifty six Gallons, three Quarts, and two Pints, of Wine or Water, &c. to eleven Ton, one Pipe, two Hogsheads, thirty nine Gallons, two Quarts, and three Pints of the same Liquor; or which is the same thing, to know the Sum total of the above-mentioned Quantities, which is, or may be disposed of in two separate Cellars or Vaults, &c.

Tons	*Pipes*	*Hhd.*	*Gall.*	*Qrts.*	*Pts.*
11	1	2	39	2	3
06	2	3	56	3	2
20	0	0	33	2	1

Set down the Sums or Quantities but before you begin to add, observe, that two Pints make one Quart, four Quarts make one Gallon, sixty three Gallons one Hogshead, two Hogsheads one Pipe, and two Pipes one Ton. Then say 2 and 3 is 5, which must be divided by 2, the Number of Pints in a Quart, and set down the Remainder which is 1, and carry 2 the Quotient to the next Denomination of Quarts, &c. as you have already done in the preceding Sums, till the whole is compleated.

CHAP. VI.

SUBTRACTION of MIXT NUMBERS.

IN these Questions I shall follow the Method already gone through in relation to the several Denominations in Mixt Addition, as Money and Weight, &c. which I suppose the Learner by this time to be well acquainted with.

EXAM.

EXAMPLE I.

Let it be requir'd to subtract, or take from 45 *l.* 5 *s.* 6 *d.* ¼, the Sum of 36 *l.* 10 *s.* 1 *d.* ½.

Set down the Sums as in the Margin, the lesser under the greater. This must be done the same as you did in Subtraction of whole Numbers, only remembring what you have already learn'd as to the Parts of the Pounds, and therefore begin at the Farthings, and say, 2 from 1 I cannot, but 2 from 4 (the Number of Farthings in one Penny, which on this Occasion you borrow) there remains 2, and 1 Farthing above makes 3, which set down; then go to the Pence, and say, 1 that I borrowed and 1 is 2, and 2 from 6 there remains 4, which set down, then say, 10 from 5 I cannot, but 10 from 20 (the Number of Shillings in a Pound which you borrow) and there remains 10, which being added to the 5 above makes 15, set that down and say, 1 that I borrow'd and 6 is 7, and 7 from 5 I cannot, but 7 from 15 there remains 8, set the 8 down, and say, 1 that I borrow'd and 3 is 4, and 4 from 4 there remains 0 or nothing, which finishes this Sum, there remaining 8 *l.* 15 *s.* 4 *d.* ¾.

	l.	*s.*	*d.*
from	45	05	6 ¼
take	36	10	1 ½
	08	15	4 ¾

Some EXAMPLES *for Practice.*

	l.	*s.*	*d.*
lent	569	10	7 ¾
paid	395	06	5 ½
remains to pay	174	04	2 ¼

	l.	*s.*	*d.*
lent	1234	19	11 ¼
paid	1195	16	10 ¾
remains to pay	0039	03	00 ½

EXAMPLE II.

Let it be requir'd to take six Pound one Quarter three Ounces, from twenty-four Pound three Quarters sixteen Ounces ¼.

Set down the Sums and begin at the Quarters of Pounds, and say, one Quarter is a Quarter, which being set down underneath, you must say, 3 from 16 and there remains 13, which set down, then say, 1 from 3 and there remains 2, set that down, and say, 6 from 4 I cannot, but 6 from 14 and there remains 8, then say, 1 that I borrowed and 0 is 1 which from 2 there remains 1, set that down, and then you will find remaining eighteen Hundred two Quarters thirteen Pound and one quarter.

	C.	Qrs.	lb
from	24	3	16 ¼
take	06	1	03
remains	18	2	13 ¼

Some EXAMPLES *for Practice.*

	C.	Qrs.	lb
from	11	1	10 ½
take	01	2	19 ¾
remains	09	2	18 ¾

	C.	Qrs.	lb
from	36	2	27 ¼
take	03	1	19 ½
remains	33	1	07 ¾

EXAMPLE III.

Let it be requir'd to take sixteen Acres three Roods and thirty-seven Perches, from thirty-six Acres one Rood and twenty-one Perches.

Set the Sum down and subtract in the same manner as you have done before, only allowing for the difference of the Quantities in the several Denominations which you must take care to remember; therefore say, 37 from 21 I cannot, but 37 from 1 Rood or 40 Perches that I borrow, and there remains 3, which Remainder must always be added to the upper Number; then say, 3 and 21 makes 24, which set down and carry 1 that you borrowed to the Roods, and say, 1 and 3 makes 4, which from 1 I cannot, but 4 from 1 Acre or 4 Roods that I borrow remains 0 or nothing, which 0 or nothing being added to 1 the upper Number is but 1, set that down and carry the 1 Acre you borrow'd to the Acres and say, 1 and 6 is 7, which from 6 you cannot, but 7 from 16 there remains 9, set that down and say, 1 and 1 that I borrowed is 2, and 2 from 3 remains 1, that being set down finishes the Sum.

	Acres	Roods	Perches
from	36	1	21
take	16	3	37
remains	19	1	24

EXAMPLE IV.

Let it be requir'd to take or subtract five Years two Quarters eleven Weeks four Days seventeen Hours and fifty-two Minutes, from twenty-one Years three Quarters nine Weeks five Days twenty-three Hours and thirteen Minutes.

Set down the Sums or Quantities as usual, the lesser under the greater, and in subtracting observe the Method already shewn, which I hope is sufficient, and then you will find the Remainder to be sixteen Years eleven Weeks one Day five Hours and twenty-one Minutes.

	Years	Qrs.	Weeks	Days	Hours	Min.
from	21	03	09	05	23	13
take	05	02	11	04	17	52
remains	16	00	11	01	05	21

EXAMPLE V.

Let it be requir'd to take forty-nine Feet seven Inches and three Quarters, or nine twelfths or parts, from one hundred and six Feet eleven Inches and one Quarter, or three 12th parts, of an Inch.

The former Rules being observed, you will find the Remainder to be 57 Feet 3 Inches and $\frac{6}{12}$ or $\frac{1}{2}$ an Inch.

from	106	11	3
take	049	07	9
remains	057	03	6

Some EXAMPLES *for Practice.*

	Feet	Inc.
from	507	11 $\frac{1}{4}$
take	419	07 $\frac{1}{2}$
remains	088	04 $\frac{1}{4}$

	Feet	Inc.
from	1696	06 $\frac{1}{4}$
take	1549	11 $\frac{1}{2}$
remains	0146	06 $\frac{1}{4}$

EXAMPLE VI.

Let it be requir'd to subtract or take from eleven Ton one Pipe two Hogsheads thirty-nine Gallons two Quarts and three Pints, six Ton two Pipes three Hogsheads fifty-six Gallons three Quarts and two Pints.

This Example is for the Exercise of the Learner, and somewhat different from the foregoing Rules, but may with little Study be found out; however, for fear of discouraging the Learner, the Sum may be set down the same as underneath the first Example: The greatest difficulty is at the Hogsheads, but as 3 Hogsheads is 1 Pipe and 1 Hogshead, the best way is to leave the 3 Hogsheads out, and add 1 Pipe and 1 Hogshead in lieu of them to the 6 Tons 2 Pipes, &c. as in the Example underneath, and then it will be 7 Ton 1 Pipe 1 Hogshead 56 Gallons, &c. which being set down as in the second Example in the Margin, your subtraction will then be easy, saying 2 from 3 there remains 1, which set down, then say, 3 from 2 I cannot, but 3 from 4, the Number of Quarts in a Gallon, there remains 1 and 2 at top makes 3, which being set down, and the 1 Gallon that you borrow'd carry'd to the Gallons and work'd in the same manner as before, will soon finish this Question, the Remainder being 4 Tons 0 Pipes 0 Hogsheads 45 Gallons 3 Quarts and 1 Pint.

	Tons	Pipes	Hhd.	Gall.	Qrts.	Pts.
from	11	1	2	39	2	3
take	06	2	3	56	3	2
	04	0	0	45	3	1

Tons	Pipes	Hhd.	Gall.	Qrts.	Pts.
6	2	3	56	3	2
0	1	1	00	0	0
7	1	1	56	3	2

	Tons	Pipes	Hhd.	Gall.	Qrts.	Pts.
from	11	1	2	39	2	3
take	07	1	1	56	3	2
	04	0	0	45	3	1

CHAP. VII.

MULTIPLICATION of MIXT NUMBERS.

LET it be required to multiply twelve Feet six Inches, by six Feet nine Inches.

Before you begin to multiply it will be necessary for you to know, that Feet multiplied by Feet produce Feet, Feet multiplied by Inches and divided by 12 produce Feet and Inches, Inches multiplied by Inches and divided by 12 produce Inches and first parts, or first parts of Inches, the first parts of Inches multiplied by Feet and divided by 12 produce Inches and first parts, first parts multiplied by Inches and divided by 12 produce first and second parts, and lastly first parts multiplied by first parts and divided by 12 produce second and third parts: This being well understood, the working of the Sums or Dimensions will be very easy; therefore set down the Sum or Dimension required as in the Margin, then multiply the Feet by the Feet which makes 72, set down the 72 underneath the Feet, then multiply the lower Feet by the upper Inches as you see it mark'd, and the upper Feet multiply by the lower Inches, and first multiply the lower Feet by the upper Inches, saying, 6 times 6 is 36, which being (according to the above Rule) divided by 12 makes just 3 Feet 0 Inches remaining, set down the 3 under the Feet and say, 9 times 12 is 108, that divided by 12 produces 9 Feet, which likewise set down under the Feet, then multiply the Inches by the Inches, saying, 6 times 9 is 54, which being divided by 12 makes 4 Inches and $\frac{6}{12}$ or 6 parts, set that down as in the Example, and add up the Particulars as you have already been taught in the seventh Example of MIX'D ADDITION.

Feet	Inches	
12	06	
6 ×	09	
72		
3	00	
9	00	
	04	6
84	04	6

EXAMPLE II.

Multiply One hundred thirty Feet nine Inches and one 4th, by Two hundred fifty one Foot six Inches and three 4ths.

Set down the Dimensions under one another and multiply the Feet by the Feet as in common Multiplication; then multiply the lower Feet by the upper Inches and divide by 12, saying, 9 times 251 is 2259, which being divided by 12 makes 188 Feet 3 Inches, set that down as in the Example; then multiply the lower Inches by the upper Feet, saying, 6 times 130 is 780, which being divided by 12 makes 65 Feet, set that down in its proper place; then multiply the Inches by the Inches, saying 6 times 9 is 54, divide that by 12 the Quotient is 4 Inches and 6 Primes or first parts of Inches, set that down as in the Example; then multiply the upper Primes or first parts of Inches by the lower Feet and say, 3 times 251 is 753, which divided by 12 makes 62 Inches and 9 parts, this you may if you please set down as it is, but it will be better if you divide the 62 Inches by 12; the Quotient will then be 5 Foot 2 Inches and 9 parts, which set down as you see in the Example; then say, 9 times 130 is 1170, divide that by 12 twice as you did before, and then the Quotient will be 8 Foot 1 Inch and 6 Parts, which being set down underneath the last Sum, you may proceed, and multiply the Inches by the Parts or Primes cross-ways, as you did the Feet and Inches, that is, the upper Inches by the lower Parts, and the lower Inches by the upper Parts, saying, 6 times 3 is 18, which divided by 12 makes one Part or Prime and 6 seconds, set that down as in the Margin; then say, 9 times 9 is 81, that being divided by 12 makes 6 Primes or first Parts and 9 seconds, that being set down under the proper Denomination of Parts and seconds, &c. we come lastly to multiply the Parts or Primes by themselves, saying, 3 times 9 is 27, which being divided by 12 makes 2 seconds and 3 thirds, set them down, and cast or add up the several Sums to know the Sum required, which is 32897 Feet, 0 Inches, 5 Primes, 5 seconds and 3 thirds.

Feet	In.	Primes		
130 ×	9 ×	3		
251	6	9		
130				
650				
260				
188	3			
65	0			
	4	6		
5	2	9		
8	1	6		
		1	6	
		6	9	
			2	3
32897	0	5	5	3

There are several other Ways of multiplying Feet and Inches, &c. some of which I shall endeavour to explain in as short and as easy a Method as is possible, leaving it to the Choice of the Practitioner to use which Way he likes best.

EXAM-

EXAMPLE III. (*Being the Second Method.*)

Let it be required to multiply six Foot six Inches, by three Foot nine Inches.

Set down the Dimensions as you did before, and mark with dots or pricks as many places towards the right-hand as your Dimension consists of, beginning always at the lowest Denomination, then multiply in the same manner as you do in whole Numbers; there is only this difference, which is of carrying one Denomination to another after you have divided by 12, as for example, begin then and say, 9 times 6 is 54 and the twelves in 54 is 4, for 4 times 12 is 48, which from 54 there remains 6, set down the 6 in the farthest place of Primes or Parts of an Inch, which is mark'd out on the right-hand of the Dimension and say, 9 times 6 is 54 and 4 that I carried is 58, which being divided by 12 makes 4 Foot 10 Inches, set that down as in in the Margin and say, 3 times 6 is 18, that being divided by 12 makes one Foot 6 Inches, set the 6 down as in the Margin and say, 3 times 6 is 18 and 1 is 19, that being set down and the Parts added up, finishes this Question, and here be pleas'd to observe, that as in Multiplication of whole Numbers the first Figure of the second Multiplication is always put under the second Figure or Place of Tens in the first Line or Multiplication, so in this we place the first Figure of the second Multiplication in the second Place or Denomination from the first, and so likewise in the third Multiplication, when it consists of three Places, the first Figure is placed in the third Denomination from the first Place on the right-hand, as in these Examples following, which a little Practice will make familiar. Let us now proceed to one or two Examples more in this second Way or Method, which I desire the Learner to practise before he proceeds to the other Ways abovemention'd, and then I hope he will find the Work to be still more pleasant and easy.

Feet	*Inches*	
06	06	
03	09	
04	10	6
19	06	
24	04	6

Some EXAMPLES *for Practice.*

Feet	*Inches*	*Parts*		
09	05	11		
07	09	05		
	03	11	5	7
07	01	05	3	
66	05	05		
73	10	09	8	7

Feet	*Inches*	*Parts*		
10	07	10		
12	04	08		
	07	01	2	8
03	06	07	4	
127	10	00		
131	11	08	6	8

EXAMPLE IV. (*Being the Third Manner.*)

Let it be required to multiply fifteen Feet six Inches and three quarters, by 5 Feet six Inches and a half.

In the Methods abovemention'd the greatest Difficulty is when the Feet are in two or three Numbers, which obliges you to set down the Multiplication and Division on another Piece of Paper or in another Place, to avoid which you may divide the Feet by 12 and multiply the Inches by that Quotient and Remainder if any, and this you will find very easy in all small Dimensions; but to be a little more particular, be pleas'd to observe, that in the second Example of Multiplication of Feet, Inches, &c. you said 6 times 130 was 780, and then divided by 12 in this Method, you say only, 6 times 10 Foot 10 Inches is 65 Foot, or when the Inches are in equal Parts, as in the Example aforemention'd, 6 Inches being the half of one Foot or 12 Inches, you may say, the half of 130 Feet is 65, and if it had been 4 Inches you must have divided the Feet by 3, 4 Inches being the third part of one Foot or 12 Inches. A few Examples will make this Method very easy; let us proceed then and multiply the 15 Feet 6 Inches and three quarters, by 5 Feet 6 Inches and a half.

Set down the 15 Feet, 6 Inches, &c. as before, and say, 6 times 9 is 54, which being divided by 12 there remains 6; then say, 6 times 6 is 36 and 4 that you carry is 40, that being divided by 12 there remains 4, then instead of saying 6 times 15 is 90, and dividing by 12, &c. divide the 15 by 12 in your Head, and keep the Quotient which is 1 Foot 3 Inches in your mind and say, 6 times 3 is 18 and 3 that you carried is 21, which is 1 Foot 9 Inches, set down the 9 Inches and say, 6 times 1 is 6 and 1 is 7, or if you had pleas'd to say, the half of 15 is 7 Inches and 6 parts and 3 that you carried is 7 Inches and 9 parts; this, as I said before, is much the easiest Way when the Inches are in even parts, the second Multiplication is the same as the first, observing the Rules before mention'd as to the placing the Figures; the third Multiplication is the same, only when you come to multiply the Feet by the Feet, there is then no Division, but the whole quantity that they produce must be set down as in the Example, &c.

Feet	*In.*	*Pts.*		
15	6	9		
05	6	6		
	7	9	4	6
07	9	4	6	
77	9	9		
86	2	10	10	6

Some

Some EXAMPLES *for Practice.*

	15 × 6 × 9 5 6 6	543 × 2 × 11 54 3 2
Feet multiplied by Feet	75 0 0 — —	2172 0 0 2715
The lower Inches multiplied by the upper Feet	7 6 0 — —	135 9 0
The upper Inches multiplied by the lower Feet	2 6 0 — —	9 0 0
Inches multiplied by Inches	0 3 0 — —	0 0 6
The lower primes or parts of Inches multiplied by the upper Feet	0 7 6 — —	7 6 6
The upper primes or parts multiplied by the lower Feet	0 3 9 — —	1 6 0 1 6 0 1 1 6
The lower parts multiplied by the upper Inches	0 0 3 — —	0 0 0 4
The upper parts multiplied by the lower Inches	0 0 4 6 —	0 0 2 9
The parts multiplied by parts	0 0 0 4 6	0 0 0 1 10
	86 2 10 10 6	29478 5 9 2 10

543	2	11		
54	3	2		
7	6	6	5	10
135	9	8	9	
2185	1	6		
2715				
29478	5	9	2	10

The *GOLDEN RULE*;

OR RULE OF THREE.

THE Method to be observed in this Rule is first to state your Question, then to make your first and third Numbers of one Denomination, to multiply the second and third Numbers together and divide by the first, and the Quotient is the Answer to your Question. But, before you can proceed to work according to the above Rule, it often happens, that the first and third Numbers, tho' of one Name or Denomination, yet have different Parts, as halves or quarters of Pounds or Yards, &c. and whenever this happens, they must be reduced into the same Parts or Denomination one as the other; you must also, before you multiply your second and third Numbers together, reduce your second or middle Number into the same Denomination you care to have your Answer in: For Example, if your second or middle Number happens to be Pounds, Shillings, Pence and Farthings, it must be brought into Farthings; so likewise if you would know to a Farthing what any thing will cost (when there is no Farthings in the middle Number) you must bring the middle Number into Farthings. A few Examples will explain these Rules better than many Words, which very often confound and perplex, more than instruct the ingenious Reader.

EXAMPLE I.

If six Pounds is given for a hundred of Deal Boards, what will six cost at the same Price?

State your Question as in the Margin, and say, if 120 (the Number of Boards which is always sold for a hundred) cost 6 *l.* what will 6 cost; then bring your 6 *l.* into the lowest Denomination, as Farthings, by multiplying the Pounds by 20 to bring them into Shillings, and the Shillings by 12 to bring them into Pence, and the Pence by 4 to bring them into Farthings, as in the Margin; then multiply 5760 your middle Number in Farthings by 6 your third Number, and divide the Contents of that Multiplication, which is 34560, by 120 your first Number; then divide 288 the Quotient by 4 to bring the Answer to your Question into Pence; and lastly divide the Pence by 12 to bring it into Shillings: The Price being thus found for the 6 Deals, you may if you please know what one Deal will cost by dividing the Price of the 6 Deals, which is 6 Shillings by 6 the Number of Deals, and then you will find each Deal

Deals   *l.*   *Deals*
If 120 *cost* 6 *what will* 6 *cost*
20
120 *shillings*
12
1440 *pence*
4
5760 *farthings*
6 *the third Number*
12|0)3456|0(
4)288
12)72 *pence*
6)6 *shillings the price of* 6 *Deals*
1

 to

to coſt one Shilling. This Method well obſerved will be of great Uſe in many Queſtions in the *Rule of Three*, &c.

EXAMPLE II.

Let it be required to know what ſix Load and a half of Oak Timber will coſt, when two Load and a quarter is ſold for Five Pounds twelve Shillings and ſix Pence.

State your Queſtion thus, and ſay,

	Load		l. s. d.		Load	
If	$2\frac{1}{4}$	*coſt*	5 12 6	*what will*	$6\frac{1}{2}$	*coſt at the ſame rate*
	4		20		4	
	9		112	*ſhillings*	26	
			12			
			1350	*pence*		
			4			
			5400	*farthings*		
			26			
			32400			
			10800			
			9)140400			
			4)15600	*the Quotient*		
			12)3900	*pence*		
			2|0)32|5			
			16 5			

Then, according to the Rule above, make your firſt and third Numbers of one Denomination by bringing them into Quarters of Loads, and taking in the Fractions as in the Example; then bring your middle Number into the loweſt Denomination of Farthings as before, and multiply the 5400 Farthings by your third Number, which is 26 Quarters, and divide by 9 the firſt Number; then divide 15600 the Quotient by the ſame Numbers you multiplied the middle Number, as in the Example above, which will produce the Sum required, being 16 *l.* 5 *s.* for 6 Load and a half of Oak Timber, *&c.*

EXAMPLE III.

Let it be required to know how many Days twenty Men can do the ſame Work as fifty Men would do in ſix Days ten Hours.

State your Queſtion thus, and ſay, if 50 Men can do a Piece of Work in 6 Days 10 Hours, in how many Days will 20 Men do the ſame Work.

	Men		Days	Hours		Men
If	50	—	6	10	—	20
			24			
			154			
			60			
			9240			
			50			
			2|0)46200|0			
			6|0)2310|0			
				Days	*Hours*	
			24)385(	16	1	
			24			
			145			
			144			
			1			
			Anſwer	16 *Days*	1 *Hour*	

The firſt and third Numbers being already of one Denomination, you muſt multiply the middle Number, which is 6 Days 10 Hours, by 24, the Number of Hours in a Day, and take in the Hours, *&c.* and then if you pleaſe multiply by 60, to bring them into Minutes; the middle Number being thus brought into Minutes, you muſt multiply them by the firſt Number, and divide by the third, which is contrary to the Rules before mentioned. The Reaſon is, becauſe 20 Men will require more Time than 50 to do the ſame Work, whereas if you had multiplied the ſecond and third Number together, and divided by the firſt, the Anſwer would have been but 2 Days, 13 Hours and $\frac{3}{5}$ths or 36 Minutes, which is the Reverſe of the Queſtion, and the exact Time that 50 Men would have done the Work that 20 Men would do in 6 Days 10 Hours. And therefore this Rule is called the Rule of Three Reverſe or Inverſe; for in the Rule of Three Direct, the Numbers are in ſuch Proportion, that as the firſt is to the third, ſo is the ſecond to the fourth or Number ſought; but in this Rule the Numbers are always in ſuch Proportion, that as the firſt is to the third, ſo is the fourth or Number ſought to the ſecond, as in the Example above; for if you ſay,

As 50 Men the firſt Number is to 20 Men the third Number, ſo is 16 Days 1 Hour your Number ſought or fourth Number to 6 Days 10 Hours your ſecond Number; that is, as many times as the firſt Number is more or leſs than the third, ſo many times more or leſs muſt the fourth Number be than the ſecond, as the Queſtion happens to be ſtated. In this Example, the firſt Number, which is 50, is twice and a half more than 20 the third Number; therefore the fourth Number, which is 16 Days 1 Hour, muſt be twice and a half more than 6 Days 10 Hours the ſecond Number, as is very plain in the Margin. Another thing to be obſerved in this Rule is, that

	Men		Men		Days Ho.			Days Ho.	
As	50	*is to*	20	*ſo is*	16	1	*to*	6	10
	20	*twice and*			6	10	*twice and*		
	20	*a half the*			6	10	*a half the*		
	10	*3d Numb.*			3	5	*2d Numb.*		
	50				16	1			

if

if your first Number is greater than the third, the Number sought, or fourth Number, will be greater than the second Number; and that if the first Number is less than the third, the fourth Number will be less than the second; which being well observed, will make this useful Rule very easy: An Example or two more is set down for the Exercise of the Ingenious, with which I shall conclude the first Part of this Book, and proceed to the second Part, which will contain some few Problems or Questions in Geometry.

EXAMPLE IV.

If thirty Horses, Cows or Oxen, in seven Weeks five Days Time, eat up the Grass of a certain Field or Meadow, &c. in how long Time would forty five Horses, Cows or Oxen, &c. be eating the same Quantity?

```
     Horses, &c.  Weeks Days     Horses,
If   30 ———————   7    5 ——————— 45
                  5
                 ———
                 54 Days
                 30
                 ———
            45)1620|36 Days or
               135   5 Weeks and one Day
               ———
                70
                70
               ———
                 0
```

EXAMPLE V.

If Two thousand seven hundred Soldiers were besieged in a fortified Town or Camp, &c. and their Provisions of Victuals, &c. were computed to serve them but two Months, how many of those Soldiers must depart the Garrison immediately, and every Week afterwards, to make the same Victuals last six Months if there should be occasion?

Answer, 972 Men must depart out of the Town or Garrison immediately, and 72 Men every Week afterwards.

EXAMPLE VI.

If there were in a certain Meadow or Field Pasture enough to feed 900 Oxen or Sheep for six Months, how long Time would the same Pasture last, if there came into the Field every Month an equal Number of Sheep or Oxen till the whole Number amounted to 2700?

Answer, 900 must come in every Month, and the Pasture will last three Months.

EXAMPLE VII.

If there was to be put into a certain Fort 60 Men, and they were to be increased by 60 Men every Week till the whole Number amounted to 2700, how much Provisions would be necessary to provide the Fort with to maintain the Garrison till it is furnish'd with the aforesaid Number of 2700 Men?

Answer, 45 Weeks Provision for 1380 Men.

Thos. Rowland Architectus et delin.

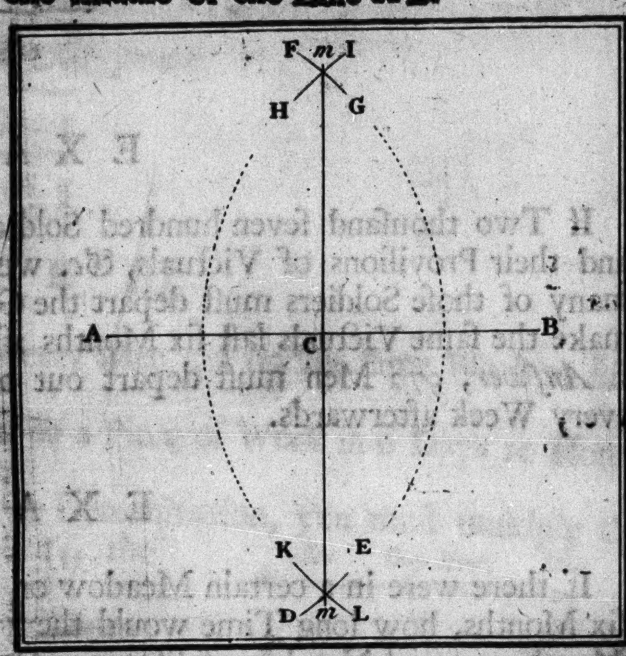
J. Cole in Hatton Garden sculp.

PART II.

GEOMETRY.

PROBLEM I.

LET it be required to erect a Perpendicular in the middle of the Line A B.

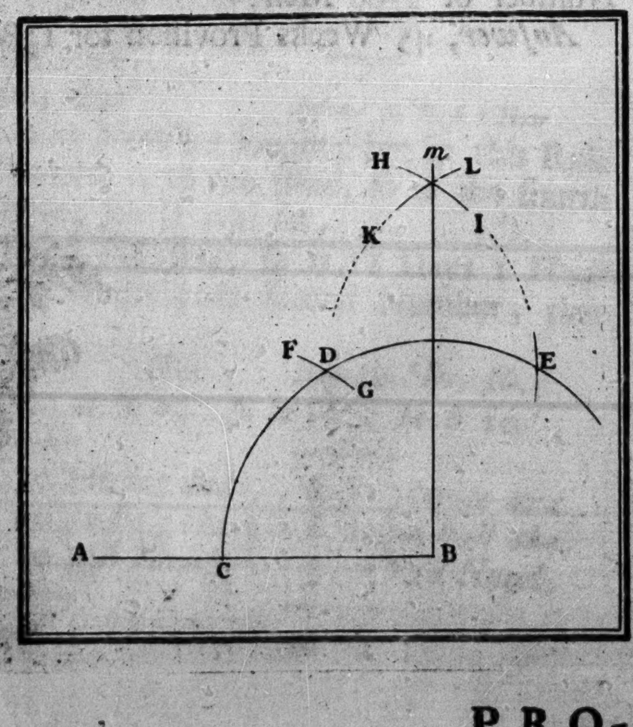


Practice.

Extend your Compasses from A almost to B, and with that Distance make the small Arches FG and DE; then set one Foot of the Compasses in B, and with the same Distance make the small Arches HI, KL intersecting the Arches FG, DE in the Points *m m*; then lay a Rule from the Point *m* to *m*, and draw the Line *m m* which will be perpendicular and at right Angles with the Line AB in the Point *c*, which is in the middle of the Line AB.

PROBLEM II.

Let it be required to erect a Perpendicular at the End of the Line A B.



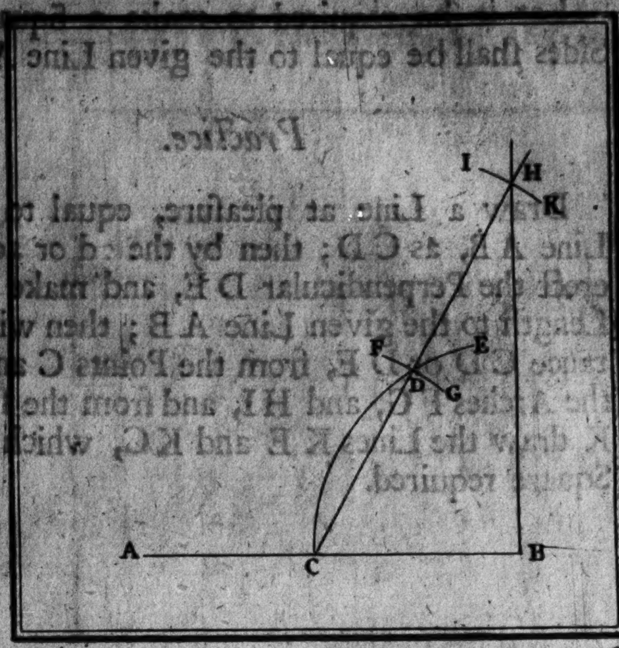
Practice.

Set one Foot of your Compasses in B, and extend the other to any Distance at Pleasure, as at C, and make the Arch C D E; then with the same Distance set one Foot of the Compasses in C, and make the Arch FG intersecting the Arch CE in D; then set one Foot of the Compasses in D, and with the same Distance make the Intersection at the Point E; lastly, with the same Distance from the Points D and E make the small Arches HI, KL intersecting one another at the Point *m*; then lay a Rule from the Point *m* to B, and draw the Line MB, which will be perpendicular to the Line A B.

PRO-

PROBLEM III.

Let it be required to erect a Perpendicular at the End of the Line AB, when there is no Room or Space beyond the said Line.

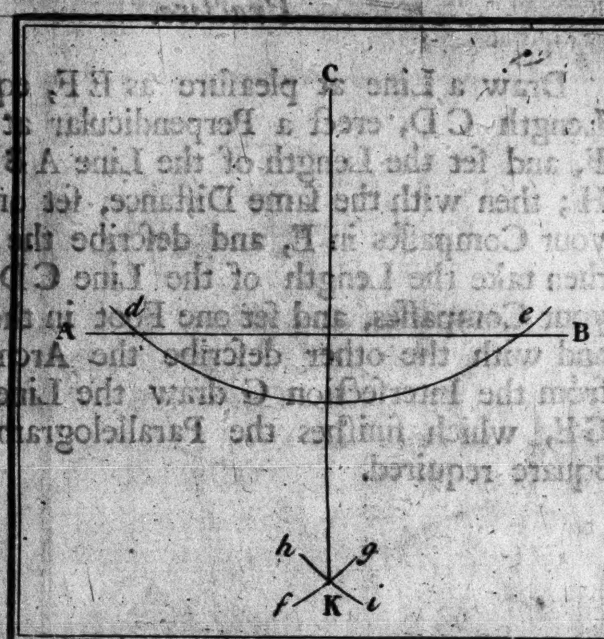


Practice.

Set one Foot of your Compasses in B, and extend the other to any Distance at Pleasure, as at C, and make the Arch CE; then set one Foot of your Compasses in C, and make the Arch FG intersecting the Arch CE in D; then with the same Distance from the Point D, make the Arch IK; then lay a Ruler from C to D, and draw the Line CDH, intersecting the Arch IK, in the Point H; then draw the Line HB, which is the Perpendicular required.

PROBLEM IV.

From a Point at Pleasure to let fall a Perpendicular on the Line AB.

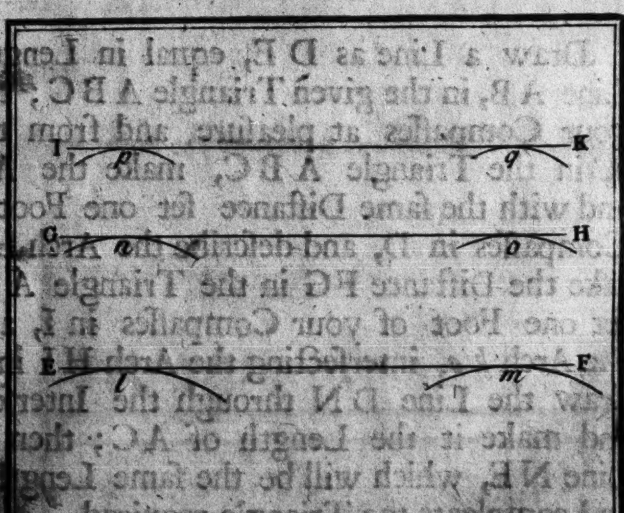


Practice.

Let the Line AB be the given Line, and C the Point, from whence you are to let fall the Perpendicular; then fix one Foot of your Compasses in the Point C, and extend the other, at your Pleasure, a little below the Line AB, and make the Arch *d e*; then set the Compasses in the Points where the Arch *d e* intersects the Line AB, and with any Distance at Pleasure make the small Arches *f g* and *h i* intersecting one another in the Point K, and draw the Line CK, which will be perpendicular to the given Line AB.

PROBLEM V.

Let it be required to draw Lines parallel to one another at the Distances of 2, 3 and 4 Foot.



Practice.

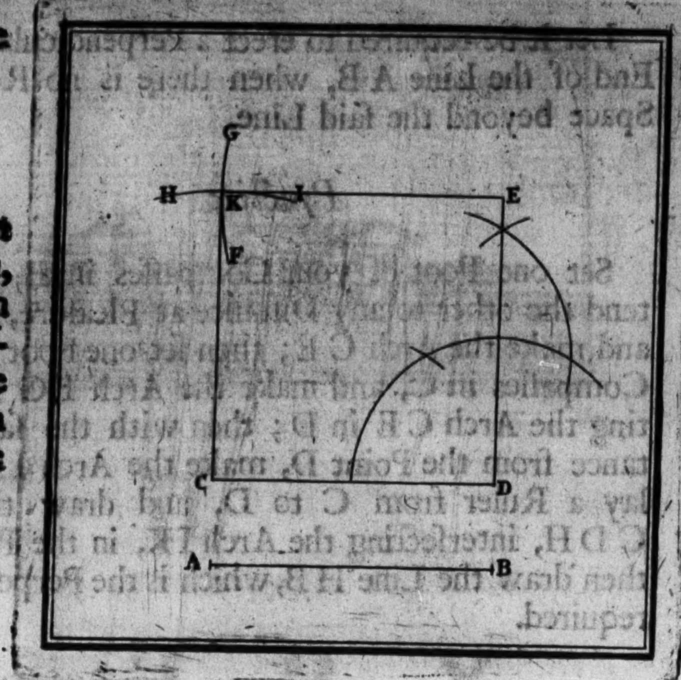
Draw a Line as AB, and take any small Distance in your Compasses, at Pleasure, as A 1, and turn it over the Line 10 times, and mark the Divisions with Figures, as in the Example, which will make you a Scale of 10 Foot; then draw the Line CD, and take the Distance A 4 (in the Line or Scale AB) which will be 4 Foot, and set one Foot of your Compasses in the Line CD, towards the End C, and make the Arch *l*; then with the same Distance, set one Foot of the Compasses in the same Line towards the End D, and make the Arch *m* draw the Line EF upon the Arches *l*, *m*, so as just to touch the said Arches; then take the Distance A 2, and set one Foot of the Compasses in the Line EF, and make the Arch *n*, likewise do the same at *o*, then draw the Line GH as before: Lastly, Take the Distance A 2, and make the Arches *p*, *q*, and draw the Line IK, then will the Lines CD, EF, GH, IK, be parallel one to the other, at the Distances required of 2, 3 and 4 Foot.

PROBLEM VI.

Let it be required to make a Square, whose Sides shall be equal to the given Line A B.

Practice.

Draw a Line at pleasure, equal to the given Line A B, as C D; then by the 2d or 3d Problem, erect the Perpendicular D E, and make it equal in Length to the given Line A B; then with the Distance C D or D E, from the Points C and E, make the Arches F G, and H I, and from the Intersection K draw the Lines K E and K C, which makes the Square required.

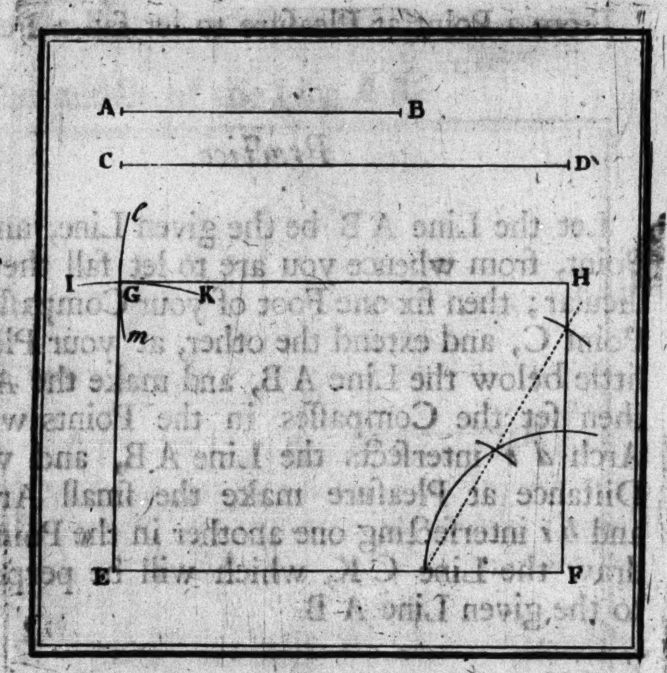


PROBLEM VII.

Let it be required to make an oblong or long Square, whose Sides shall be equal to the two given Lines A B, C D.

Practice.

Draw a Line at pleasure as E F, equal to the Length C D, erect a Perpendicular at the Point F, and set the Length of the Line A B on it as at H; then with the same Distance, set one Foot of your Compasses in E, and describe the Arch I K; then take the Length of the Line C D or E F in your Compasses, and set one Foot in the Point H, and with the other describe the Arch *l*, *m*, and from the Intersection G draw the Lines G H and G E, which finishes the Parallelogram, or long Square required.

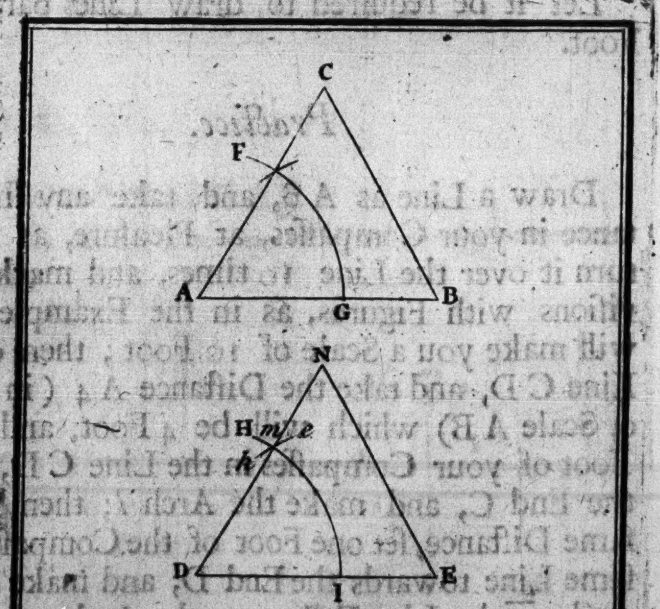


PROBLEM VIII.

Let it be required to make a Triangle equal to the given Triangle A B C.

Practice.

Draw a Line as D E, equal in Length to the Line A B, in the given Triangle A B C; then open your Compasses at pleasure, and from the Point A in the Triangle A B C, make the Arch F G, and with the same Distance set one Foot of your Compasses in D, and describe the Arch H, I, then take the Distance F G in the Triangle A B C, and set one Foot of your Compasses in I, and make the Arch *k e*, intersecting the Arch H I in *m*; then draw the Line D N through the Intersection *m*, and make it the Length of A C; then draw the Line N E, which will be the same Length of C B, and compleats the Triangle required.

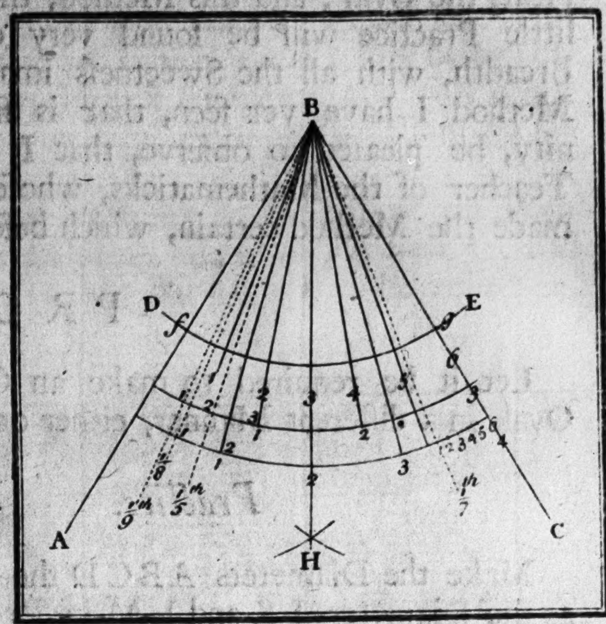


PRO-

PROBLEM IX.

Let it be required to divide the given Angle A B C into two equal Parts, or any other Number assigned.

Practice.

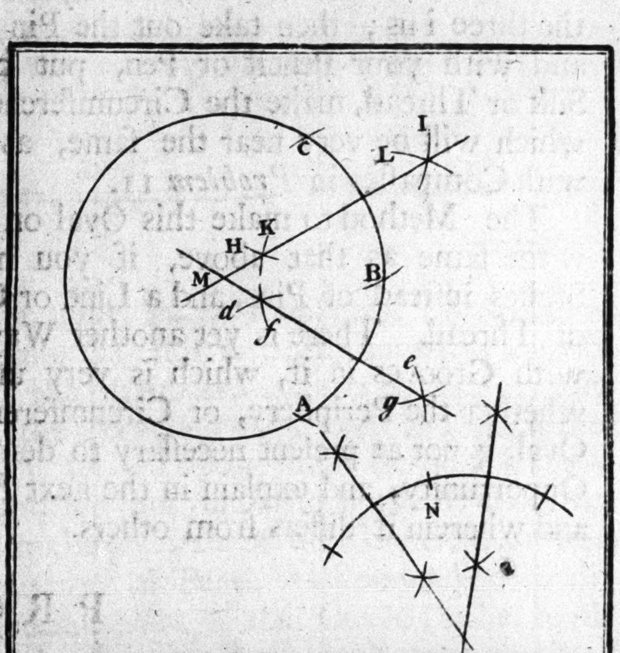


Open your Compasses at pleasure, and set one Foot of them in the Angle B, and make the Arch D E, intersecting the Sides of the Angle in the Points *f* and *g*, then from the Points *f* and *g*, with the same, or any other Distance, make the Intersection H, and draw the Line H B, which divides the Angle A B C into equal Parts as desired. But if it were desired to divide the said Angle into 3, 4, 5 or 6 Parts, *&c.* the easiest and shortest Method, is to divide the Arch D E into as many Parts as is required, and then to draw Lines from those Divisions to the Point B, which will divide the Angle into 3, 4, 5, or more Parts, as was at first proposed.

PROBLEM X.

To make a Circle, whose Circumference shall pass through three given Points, and also to find the Center of any given Circle, or to find the Center of a Segment, or Portion of any Arch, *&c.*

Practice.

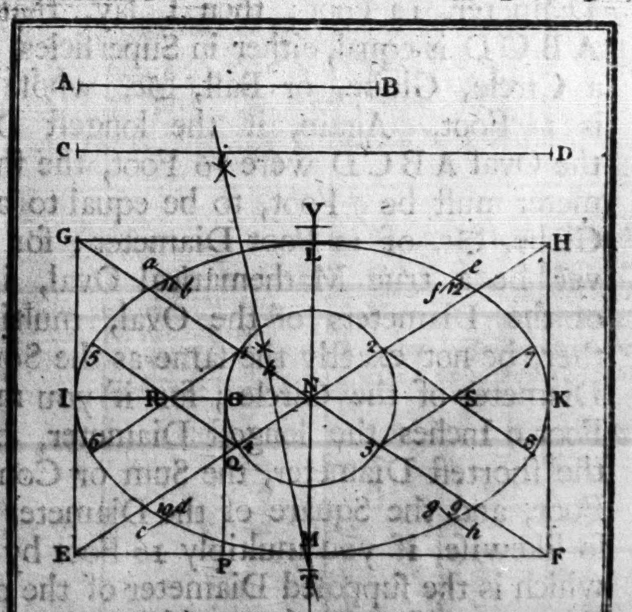


Let A B C be the three Points given; then from the Points A and B, with above half the Distance from those Points, draw the Arches *d*, *e*, and *f*, *g*, and from the Points B and C, with the same Distance draw the Arches H I, K L; then draw Lines through the Intersections of those Arches, and where the Line intersects, as at M, there is the Center of the Circles, whose Circumference shall pass through the three given Points. And to find the Center of any given Circle, make at pleasure in the Circumference, any three Marks or Points, at the Distance of above half the Diameter one from the other. Then work as before, and you will easily find the Center, and the same Method must be observed to find the Center of a Segment, or Portion of any Circle, as you may see by Inspection in the Figure marked N.

PROBLEM XI.

To make an Oval of any Length or Breadth assigned.

Practice.



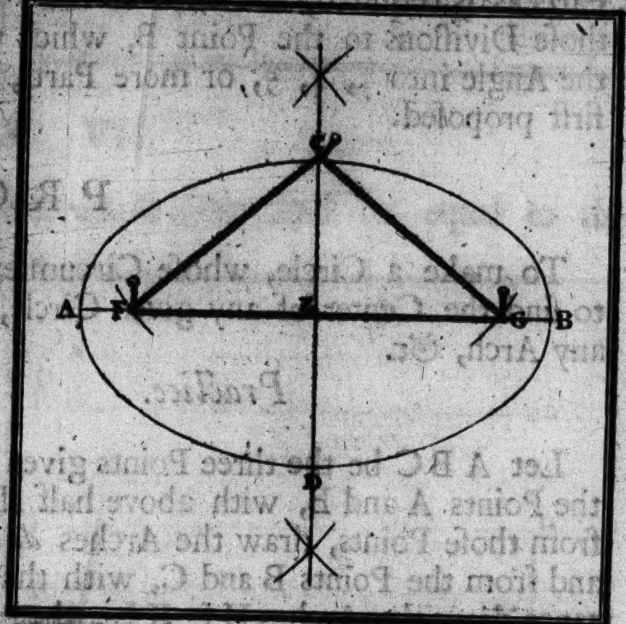
Let the Lines A B, C D, be the Length and Breadth assigned for the Oval; then draw a Line at pleasure, as E F, equal in Length to the given Line C D, then make the Perpendiculars E G and F H, equal to the given Line A B, and draw the Line G, H, which forms the Parallelogram E G H F; draw the Diagonals E H and F G, and make the Diameter I K parallel to E F, and the Diameter L M parallel to G E; then with the Distance I E, make the small Square I O E P, and with the Distance O, N, make the Circle 1 2 3 4; then take the Distance O Q, where the Side of the Square O P cuts the Diagonal E H, and set it from O to R, and make K S equal to I R; then draw Lines from the Points 1 2 3 4, through the Centers R and S, and from the Centers R and S draw the Arches 5, 6, and 7, 8, then with the Distance I E or I O, from the Points or Centers I and K, make the small Arches *a b*, *c d*, *e f*, *g h*, and from the Centers 1 2 3 4, with the Distance

stance 4, 5, or 2, 8, make the Arches 8, 9, 10, 6, 5, 11, and 12, 7, intersecting the small Arches *a b*, *c d*, *e f*, and *g h*, in the Points 9, 10, 11, 12; and lastly, from the Points 11 L or L 12, with any Distance at pleasure, make the Intersections *i* and *k*, then draw a Line through those Intersections, till it cuts the Line L M at T, then make N V, equal to N T, and from the Centers T and V draw the Arches 11 L 12, and 9 M 10, which compleats the Oval; and this Method, tho' in Appearance something troublesome, yet with a little Practice will be found very easy, and to form an Oval of any assigned Length and Breadth, with all the Sweetness imaginable, and in my Opinion, much beyond any other Method I have yet seen, that is fit for drawing, *&c.* but lest this should savour of Vanity, be pleased to observe, that I learned this Method from my Master Mr. *Marshall*, Teacher of the Mathematicks, whose Invention it was; I have only added to it, what has made the Method certain, which before was doubtful.

PROBLEM XII.

Let it be required to make an Oval of the same Length and Breadth as the preceding Oval, in a different Manner, either on Paper or on the Ground, *&c.*

Practice.



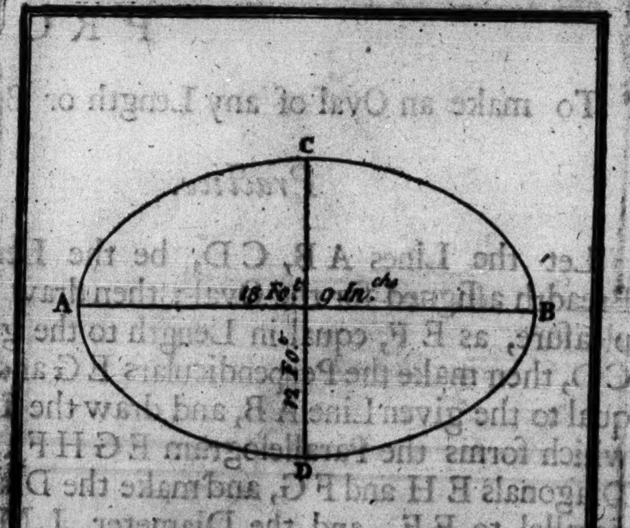
Make the Diameters A B C D the same Length as the Diameters I K and L M in *Problem* 11. and at right Angles one with the other; then with the Distance A E or E B, from the Points C and D, make the Intersections F G, in the Line A B; then stick Pins in the Points F D G or F C G, and take a Piece of Silk or Thread, and tye it tight round the three ins; then take out the Pin at C or D, and with your Pencil or Pen, put between the Silk or Thread, make the Circumference A C B D, which will be very near the same, as that struck with Compasses in *Problem* 11.

The Method to make this Oval on the Ground, is the same as that above, if you make Use of Stakes instead of Pins, and a Line or Cord instead of Thread. There is yet another Way very well known, by an Instrument, called the *Cross*, with Grooves in it, which is very useful in small Ovals, and is an excellent Method; but whether the Periphery, or Circumference, is exactly true, so as to form a Mathematical Oval, is not at present necessary to demonstrate; and therefore I shall leave that to another Opportunity, and explain in the next *Problem*, what is meant by a true Mathematical Oval, and wherein it differs from others.

PROBLEM XIII.

To make a true Mathematical Oval, that is, such an ovalar Superficies or Solid, whose Area, or solid Contents, is equal to the Area, or solid Content of a Globe, or Ball, *&c.*

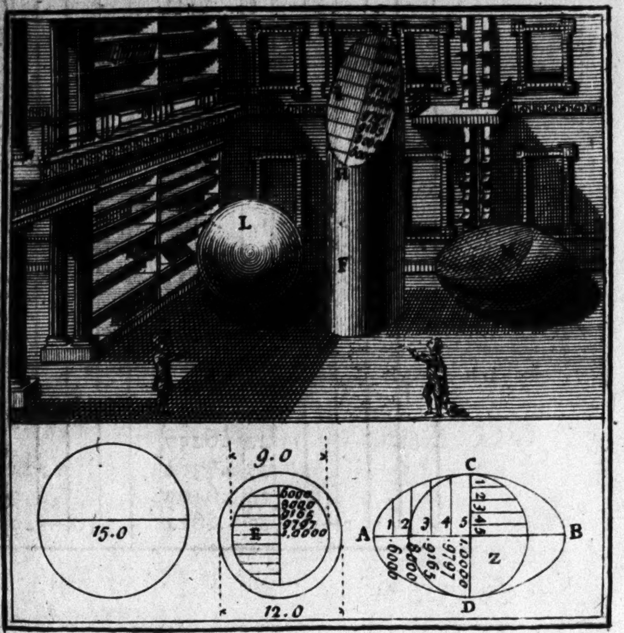
Practice.



Let the longest Diameter of the Oval A B C D be 18 Foot 9 Inches, and the Breadth, or shortest Diameter, 12 Foot; then I say, that the Oval A B C D is equal, either in Superficies, or Solid, to a Circle, Globe, or Ball, *&c.* whose Diameter is 15 Foot. Again, if the longest Diameter of the Oval A B C D were 16 Foot, the shortest Diameter must be 9 Foot, to be equal to a Circle, or Globe, *&c.* of 12 Foot Diameter; for it can never be a true Mathematical Oval, if the Sum of the Diameters of the Oval, multiplied together, be not exactly the same as the Square of the Diameter of the Circle; for if you multiply 18 Foot 9 Inches the longest Diameter, by 12 Foot the shortest Diameter, the Sum or Content is 225 Foot, and the Square of the Diameter of the Circle, which is 15 Foot, is exactly 225 Feet; so likewise, if you multiply 16 Foot by 9 Foot, the Sum will be exactly the Square of 12, which is the supposed Diameter of the other Circle. Now if you desire to know, what the Diameter of a Circle would be, whose Area, or Circumference, should be equal to an Oval, the Method is to multiply the longest and shortest Diameter of the given Oval, and the square Root of that Sum is the Diameter of the Circle required; and on the contrary, to determine the Lengths and Breadths of Ovals, whose Area, Circumference, or Solidity, shall

shall be equal to the Area, Circmference, or Solidity of any given Circle, Ball, or Globe, &c. the Method is to square the Diameter of the given Circle, and divide the Product by any Number that you would have, either for the Length or Breadth of your Oval; and then if the Number you divide by be the Breadth; the Quotient is the Length; and so if the Number you divide by be the Length, the Quotient is the Breadth: As for Example; In the first Proposition, the Diameter of the Circle was suppos'd to be 15 Foot, the Square of which is 225, this being divided by 12 (the shortest Diameter) you will have 18 Foot 9 Inches for the longest Diameter. So likewise in the other Example, where the Diameter of the Circle is suppos'd to be 12 Foot, the Square of which is 144; this being divided by 16, the longest Diameter, you will find 9 for the shortest Diameter, and this is not to be confined to those Diameters above-mentioned, but you may use any other Numbers for your Diameters, as you have Occasion.

After the Diameters of the Oval are thus found, all the difficulty is, in making the Perifery, or Circumference, of the Oval exact. The Method already taught in *Problem* 11, and 12, comes the nearest the Truth of any I know, or have seen; but what is to be relied on, for Certainty, is as follows.



Make a Cylinder, whose Diameter is equal to the Circle E, of 9 Foot Diameter, then cut the said Cylinder diagonally, so that the Diameter GH is 16 Foot; then the Diameter IK will of necessity be 9 Foot; therefore is the Oval GIHK exactly true and equal to a Circle, Globe, or Ball, &c. whose Diameter is 12 Foot, according to what has been said above, and if the Cylinder F had been 15 Foot Diameter, and the Diameter GH 18 Foot 9 Inches, the Oval GIHK would have been the same exactly as the Oval ACDB, and equal either in Superficies, or Solidity, to a Circle, Globe, or Ball, &c. of 15 Foot Diameter, as is represented by the Solids L and M; this however is rather a Demonstration than a Method, to be put in Practice (except as a Proof of this Proposition) therefore, whenever there is Occasion to be so very curious and exact, make use of the Numbers, calculated and sent me by my ingenious Friend Mr. *Marshall*; in order thereto divide half the longest or shortest Diameters of the Oval ACBD into five equal Parts, then erect Perpendiculars upon those Divisions in the Diameters, &c. and make the Half or Semi-diameters 1.0000 in the Line of equal Parts on the Sector, then take off the Numbers from the Sector, as it is set down in the Oval ACBD, and place them upon the Perpendiculars, &c. and trace the Periphery from those Points, with a thin Rule or Lath, &c. the same must be done for the other Parts of the Oval to finish it. But for those, who do not understand the Use of the Sector, there is two Methods very easy; the first is to make a Circle of the shortest Diameter of the Oval, and divide the Diameter into the same Number of Parts, as you incline to divide the longest Diameter of the Oval, and set the Perpendiculars of the Circle (either with Compasses, if it is a small Oval, or with a Lath or Rule, if it is a large one) upon the Perpendiculars of the Oval, as is seen by inspection, in the Circle N, and in the Oval ABCD, for the Lines 1, 2, 3, 4, 5 in the Circle, are exactly the same Length of the Lines 1, 2, 3, 4, 5 in the Oval. The other Way, is to change the Numbers into Foot-Measure, by multiplying them by the longest or shortest Semi-diameters of the Oval, and then setting on the Lengths with your Rule, as in the Example underneath. I am afraid I have trespased too much in this long Description, or Method, to make a true mathematical Oval; but I could not explain my self so as to be understood in fewer Words. And if any should think the Division, above-mentioned, not minute or nice enough, be pleased to use the Numbers in the following Table, which are for dividing the Semi-diameters of Ovals or Circles (for they will serve for either) into 5, 10, 20, 25, 50 or 100 Parts, which will be more than sufficient to form any Oval of a moderate Size, with Truth and Exactness, for any Business whatsoever.

EXAMPLE.

Suppose the Oval ABCD of 18 Foot 9 Inches long, and 12 Foot broad; then the shortest Semi-diameter of the Oval will be 6 Foot; and if the longest Radius or Semi-diame ter be divided into 5, 10, 20, 25, 50 or 100 equal Parts; and if the Numbers in the Table opposite to those Divisions are multiplied by 6 Foot, which is half the shortest Diameter, it will bring those Numbers into Feet and decimal Parts, which decimal Parts being multiplied by 12, produce Inches and decimal Parts of Inches; these decimal Parts being again multiplied by 12, will produce Parts of Inches, which will be near enough, as may be seen by Inspection in the Work underneath, where the longest Semi-diameter is divided into 5 Parts, which is sufficient to shew the Method of bringing any of the Numbers of the Table into Feet and Inches, &c.

The Numbers in the Table opposite to 1, 2, 3, 4, 5 in the first Columns (where at the Top is writ the Semi-diamer in five Parts) are

6000	8000	9165	9797	1,0000
6	6	6	6	6
3,6000	4,8000	5,4990	5,8782	6,0000
12	12	12	12	
7,2000	9,6000	5,9880	10,5384	
12	12	12	12	
2,4000	7,2000	11,8560	6,4608	

These Numbers being multiply'd as directed above, produce Feet and Inches, &c.

And for the Numbers { .6000, .8000, 9165, .9797, 1.0000 } There will be { 3 Foot 7 Inches $\frac{2}{12}$ths, 4 Foot 9 Inches $\frac{7}{12}$ths, 5 Foot 5 Inches $\frac{11}{12}$ths, 5 Foot 10 Inches $\frac{1}{2}$, 6 Foot }

The

The TABLE.

The Semi-diam. in 5 Parts	The Semi-diam. in 10 Parts	The Semi-diam. in 20 Parts	The Semi-diam. in 25 Parts	The Semi-diam. in 50 Parts	The Semi-diam. in 100 Parts	
					1	.1410
				1	2	.1989
					3	.2431
			1	2	4	.2800
		1			5	.3122
				3	6	.3411
					7	.3675
			2	4	8	.3919
					9	.4146
	1	2		5	10	.4358
					11	.4559
			3	6	12	.4749
					13	.4930
				7	14	.5102
		3			15	.5267
			4	8	16	.5425
					17	.5577
				9	18	.5723
					19	.5864
1	2	4	5	10	20	.6000
					21	.6131
				11	22	.6257
					23	.6380
			6	12	24	.6499
		5			25	.6614

The Semi-diam. in 5 Parts	The Semi-diam. in 10 Parts	The Semi-diam. in 20 Parts	The Semi-diam. in 25 Parts	The Semi-diam. in 50 Parts	The Semi-diam. in 100 Parts	
				13	26	.6726
					27	.6834
			7	14	28	.6939
					29	.7042
	3	6		15	30	.7141
					31	.7238
			8	16	32	.7332
					33	.7423
				17	34	.7512
		7			35	.7599
			9	18	36	.7683
					37	.7765
				19	38	.7846
					39	.7924
2	4	8	10	20	40	.8000
					41	.8074
				21	42	.8146
					43	.8216
			11	22	44	.8284
		9			45	.8351
				23	46	.8416
					47	.8479
			12	24	48	.8541
					49	.8601
	5	10		25	50	.8660

The Semi-diam. in 5 Parts	The Semi-diam. in 10 Parts	The Semi-diam. in 20 Parts	The Semi-diam. in 25 Parts	The Semi-diam. in 50 Parts	The Semi-diam. in 100 Parts	
					51	.8717
			13	26	52	.8772
					53	.8826
				27	54	.8879
		11			55	.8930
			14	28	56	.8979
					57	.9028
				29	58	.9075
					59	.9120
3	6	12	15	30	60	.9165
					61	.9208
				31	62	.9250
					63	.9290
			16	32	64	.9329
		13			65	.9367
				33	66	.9404
					67	.9439
			17	34	68	.9474
					69	.9507
	7	14		35	70	.9539
					71	.9570
			18	36	72	.9600
					73	.9628
				37	74	.9656
		15			75	.9682

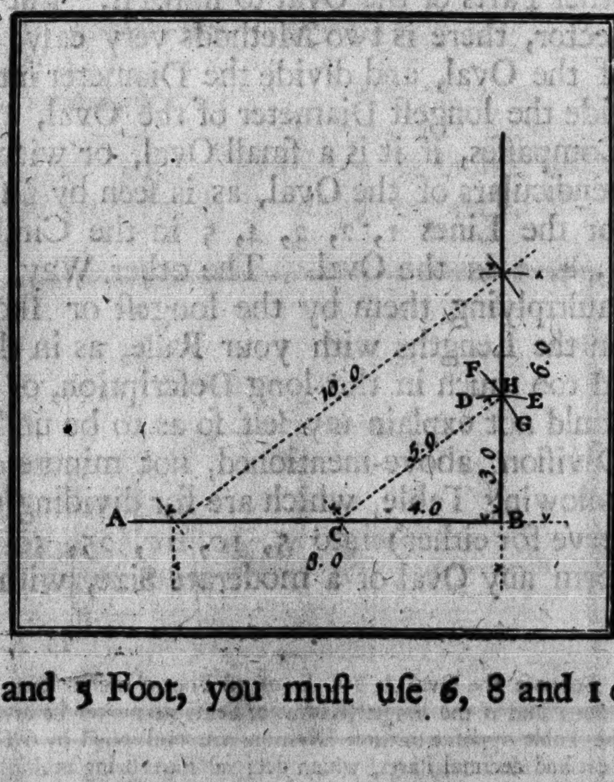
The Semi-diam. in 5 Parts	The Semi-diam. in 10 Parts	The Semi-diam. in 20 Parts	The Semi-diam. in 25 Parts	The Semi-diam. in 50 Parts	The Semi-diam. in 100 Parts	
			19	38	76	.9707
					77	.9731
				39	78	.9754
					79	.9777
4	8	16	20	40	80	.9797
					81	.9817
				41	82	.9836
					83	.9854
			21	42	84	.9871
		17			85	.9887
				43	86	.9901
					87	.9915
			22	44	88	.9927
					89	.9939
	9	18		45	90	.9949
					91	.9959
			23	46	92	.9967
					93	.9975
				47	94	.9981
		19			95	.9987
			24	48	96	.9991
					97	.9995
				49	98	.9997
					99	.9999
5	10	20	25	50	100	1.0000

PROBLEM XIV.

To raise a Perpendicular at the End of a Line with a 5 Foot Rod, or a 10 Foot Rod, as Occasion shall require.

Practice.

Let A B be the Line required to raise a Perpendicular upon, with a 5 Foot Rod, and from the Point B towards A, make a Mark in the Line A B at the Distance of 4 Foot, as at C; then at the Point C and B, drive Stakes, if it is on the Ground, and Pins or Nails, if it is upon a Board or Floor, *&c.* then make the Arch D E, at the Distance of 3 Foot from the Point B, by putting one End of the Rod against the Stake at B, and with a Pencil or Nail, *&c.* held against the Side of the Rod at the Distance of 3 Foot, moving the Rod a little from you towards D, and bring it again towards you at E; then put one End of the Rod against the Stake or Nail at C, and with the other End, which is 5 Foot, make the Arch F G, intersecting the Arch D E in the Point H; then draw the Line H B, which will be perpendicular to the Line A B. The same Method must be observed with the 10 Foot Rod, only instead of 3, 4 and 5 Foot, you must use 6, 8 and 10 Foot, as may be seen in the Figure by Inspection.



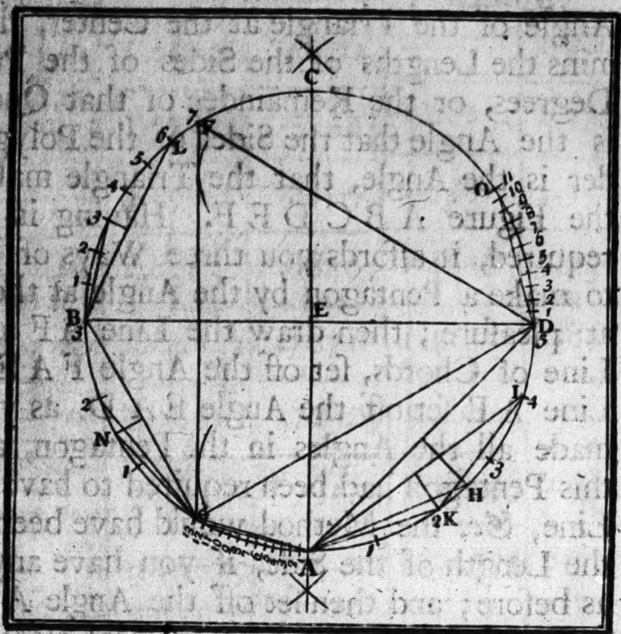
PROBLEM XV.

To make a regular Polygon of any Number of Sides equal or unequal.

Practice.

Make the Circle A B C D, and draw the Diameters A C and B D, at right Angles one with the other, divide the Semi-diameter E B into two equal Parts, and draw the Line F G parallel to A C; then will F G be the Side of the equilateral Triangle F G D; draw the Line

Line AD, and it will be the Side of a Square. Divide the Arch AHD into five equal Parts; four of them, as AI, will be the Side of a Pentagon or Polygon of 5 Sides. The Arch GBF being divided into two equal Parts in B, one of them, as GB, is equal to the Semi-diameters AE or ED, and is consequently the Side of a Hexagon or Polygon of 6 Sides; divide the Arch BLF into seven equal Parts, six of them, as BL, is the Side of a Heptagon or Polygon of 7 Sides; divide the Arch AHD into two equal Parts in H, the Line AH is the Side of an Octagon or Polygon of 8 Sides; the Arch GB being divided into three equal Parts, two of them is the Side of a Nonagon or Polygon of 9 Sides, the Arch AKI being divided into two equal Parts in K, the Line AK is a Decagon or Polygon of 10 Sides; the Arch GNB being divided into two equal Parts in N, the Line GN is a Dodecagon or Polygon of 12 Sides, and so for all the even-sided Polygons, which will always double the Number of Sides. You having no more to do for the Polygons of 14, 16, 18, 20 Sides, *&c.* than to divide the Arches belonging to the Sides of the Polygons of 7, 8, 9, 10 Sides, *&c.* into two equal Parts as was done for the Side of the Hexagon GB, and the Sides of the Octagon AH, the Decagon IK, and for the Dodecagon GN. And so likewise for those Polygons of 13, 15, 17, 19 Sides, *&c.* the Method is to take the Arch of the Side of the Polygon, whose Number is less by one than what you want, and divide the said Arch into so many equal Parts as is the Number of Sides you want the Polygon to be of, and then all those Parts but one is the exact Side required; for Example, if you take the Side of the Decagon AK, and set it from D to O (to avoid Confusion) and divide the Arch DO into 11 parts, 10 of these parts shall be the Side of a Polygon of 11 Sides; and also if you take the Side of the Dodecagon AG or GN, and divide the Arch AG or GN into 13 parts, 12 of those Parts shall be the Side of the Polygon of 13 Sides; and so on for any other Number whatsoever. The same thing, tho' in a different Manner, is in *Serlio*'s Book of Architecture, which shall be the next *Problem*, for the Reader to take which Method he likes best. But this I did not see or remember, till some time after I had formed the abovesaid *Problem*, to which I was excited by reading Mr. *Whiston*'s *Euclid*, where in Book IV. p. 97, he says, That there hath not yet been found out the Art, by which regular Figures of 7, 9, 11, 13, 17 Sides, *&c.* may be inscribed in a Circle by a Pair of Compasses and a Rule only: Whether this Method, or that of *Serlio*'s, comes up to what he means by a Rule to divide the Circumference, must be left to better Judges than my self; for I am afraid, a mathematical Rule or Method to divide the Circumference into 7, 9, 11, 13 and 17 Parts, *&c.* as is desired, is for ever impossible. All that I pretend to in this, is that the Method above, and that of *Serlio*'s, is true, and capable of mathematical Demonstration, and answers to all Intents and Purposes the exact Method of making all Sorts of regular Polygons, whether the Sides are in Number equal or unequal, which comes up, in some measure, to what Mr. *Whiston* says is so much wanted.

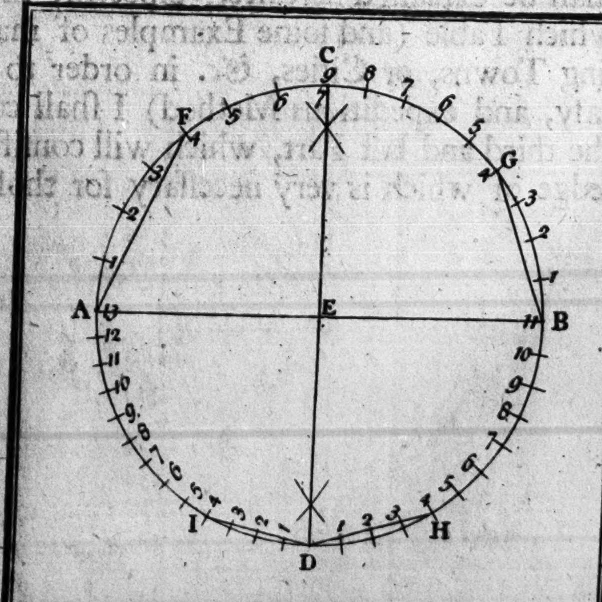


PROBLEM XVI.

Another Way to make a regular Polygon of any Number of Sides, *&c.*

Practice.

Make the Diameters of the Circle ABCD at right Angles one with the other; then divide the Arch of any one of the Quadrants AEC, CEB, DEB, or AED, into the same Number of equal Parts as you want the Sides of your Polygon to be, and four of those Parts shall be the Side required; as in this Example in the Quadrant AEC, the Arch or quarter Part of the Circle is divided into seven Parts for a Heptagon, AF being four of those Parts, is the Side required; so likewise is the Side GB the Side of a Nonagon, DH the Side of an Endecagon or Polygon of 11 Sides, and ID the Side of a Polygon of 13 Sides, as may be seen by Inspection in the Figure; and this Method is exact, and may be used in making Polygons of any Number of Sides, *&c.* as is mentioned above.



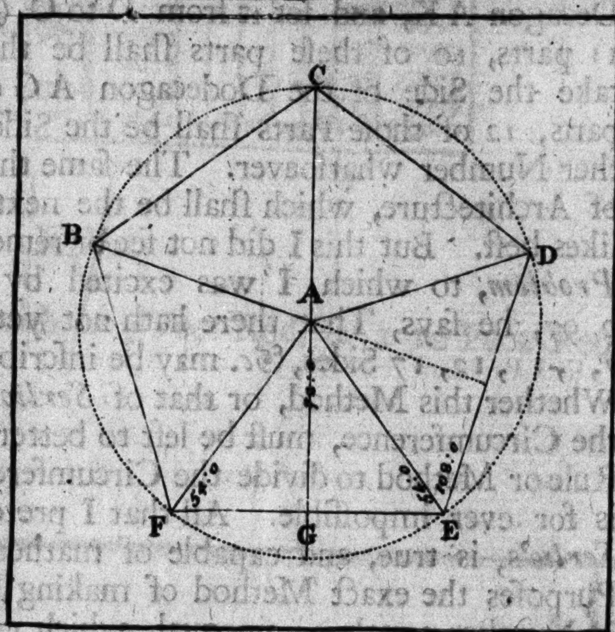
PRO-

PROBLEM XVII.

Some other Ways of making regular Polygons, very necessary and useful in Gardening and Fortification, *&c.*

Practice.

Let the Circle (in which you are to describe the Polygon) consist of 360 Degrees, which being divided by the Number of Sides your Polygon is to be of, the Quotient will be the Angle of the Triangle at the Center, the Sides of which (where it cuts the Circle) determins the Lengths of the Sides of the Polygon. The Complement of that Quotient to 180 Degrees, or the Remainder of that Quotient out of 180 Degrees (which is the same thing) is the Angle that the Sides of the Polygon, makes with each other, and half that Remainder is the Angle, that the Triangle makes at the Angle of the Polygon, as may be seen in the Figure A B C D E F. Having in this manner the Number of Degrees at each Angle required, it affords you three Ways of laying down, or protracting the Polygons; and first, to make a Pentagon by the Angle at the Center, draw the Circle B C D E F of any Distance at pleasure; then draw the Line A F and by an Instrument called a Protractor, or by the Line of Chords, set off the Angle F A E 72 Degrees, and draw the Line A E; then from the Line A E set off the Angle E A D, as you did before, and so continue to do, till you have made all the Angles in the Pentagon, as may be seen by Inspection in the Figure; and if this Pentagon had been required to have been made by the Angles at the Triangle or Base-Line, *&c.* the Method would have been, to draw a Line at pleasure, as F E, upon which set the Length of the Side, if you have any determin'd Length, otherwise let it be at pleasure, as before; and then set off the Angle A E F and A F E 54 Degrees each, and draw the Lines A F and A E, and where they intersect, as at A, there is the Center; then draw the Circle B C D E F, and with the Distance F E divide the Circle into five Parts, and draw the Lines E D, D C, C B and B F, which finishes the Pentagon exactly. The third Way is by the Angles of the Sides; as for Example, draw the Line E F as before, at pleasure, upon which set the Length of your Side, and make the Angle F E D, 108 Degrees; then divide the Line E F into two equal Parts in G, and draw the Line A G perpendicular to F E, and set the Distance E G upon the Line E D, and erect the Perpendicular A H, and where the Perpendiculars intersect, as at A, there is the Center; then with the Distance A F or A E make the Circle B C D E F, and with the Distance F E divide the Circle into five equal Parts; then draw the Sides E D and D E, *&c.* as before. These Methods are exactly the same for all sorts of Polygons, and therefore ought to be carefully observed, for they are of great Use and Service, as is said above, in Gardening and Fortification, *&c.* and I have been the more careful (tho' perhaps a little tedious) in what relates to Polygons, on account of the many Mistakes and Errors propagated in the Methods to make them, by Authors of good Authority. But for the Use of those, who are not expert in making Calculations, *&c.* and also to save the Trouble of making Divisions for every Polygon, I have new calculated and corrected the Tables, which are already made of this sort, and have also made such Additions, as will make them in a Manner entirely new and useful, which shall be explain'd hereafter, especially in that Part, which relates to Mensuration, *&c.* with which Table (and some Examples of making Polygons to a large Extent, capable of inclosing Towns, or Cities, *&c.* in order to fortify them whenever there is occasion, in a new, easy, and expeditious Method) I shall conclude this Part of the first Book, and proceed to the third and last Part, which will consist of Mensurations of Superficies and Solids, the Knowledge of which is very necessary for those who delight in this Study.



The

The TABLE.

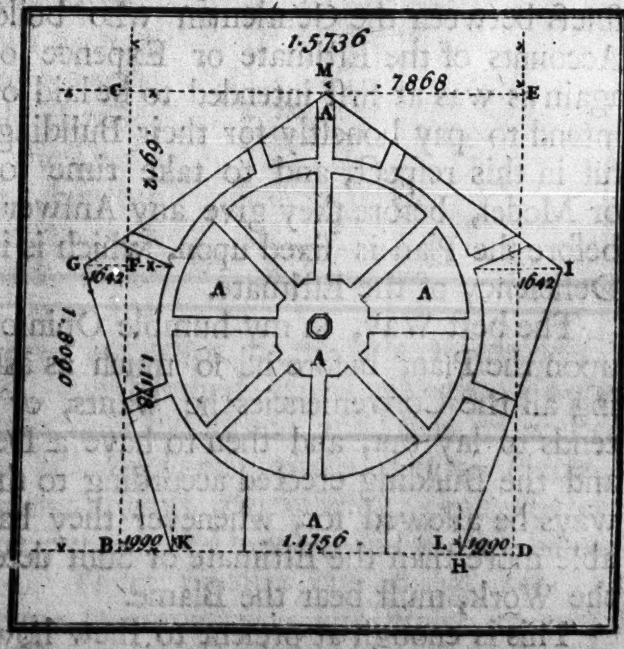
The Names of several Geometrical Figures, all of which, except the Triangle and Square, are called Polygons.	The Num. of the Sides.	Angles at the Center. D . M	Angles at the Sides of the Triangle and Square, and at the Sides of the Polygons. D . M	Angles at the Triangle. D . M	The Radii or Semi-diameters of Circles inscribing the Polygons, with the Sides and Perpendiculars of the Polygons, &c.	The Side, squared and multiplied by these Numbers, gives the superficial Cont. of the Poly. &c.	The Diameters of the Circle, squared & multiplied by these Num. gives the superficial Cont.	The Area of the Polygon multip. by these Numb. and the sq. Root extracted, gives the Diameter.	The Area of the Polygon when the Diameter of the Circle is 2.0000
Trisagon or Triangle	3	120.00	60.00	30.00	Semi-diameter 1.0000 Side —— 1.7321 Perpendicular — .5000	.43300	.32457	3.07929	1.29907
Tessaragon or Square	4	90.00	90.00	45.00	Semi-diameter 1.0000 Side —— 1.4142 Perpendicular — .7071	1.00000	.50000	2.00000	2.00000
Pentagon	5	72.00	108.00	54.00	Semi-diameter 1.0000 Side —— 1.1756 Perpendicular — .8090	1.72039	.59441	1.68234	2.37765
Hexagon	6	60.00	120.00	60.00	Semi-diameter 1.0000 Side —— 1.0000 Perpendicular — .8660	2.59800	.64950	1.53964	2.59800
Heptagon	7	51.25$\frac{2}{10}$	128.34$\frac{2}{23}$	64.17$\frac{2}{15}$	Semi-diameter 1.0000 Side —— .8677 Perpendicular — .9010	3.63432	.68407	1.46183	2.73629
Octogon	8	45.00	135.00	67.30	Semi-diameter 1.0000 Side —— .7654 Perpendicular — .9239	4.82832	.70715	1.41412	2.82861
Ennagon	9	40.00	140.00	70.00	Semi-diameter 1.0000 Side —— .6840 Perpendicular — .9397	6.18223	.72309	1.38295	2.89239
Decagon	10	36.00	144.00	72.00	Semi-diameter 1.0000 Side —— .6181 Perpendicular — .9510	7.69292	.73474	1.36097	2.93906
Endecagon	11	32.43$\frac{19}{80}$	147.16	73.38	Semi-diameter 1.0000 Side —— .5634 Perpendicular — .9595	9.36679	.74350	1.34535	2.97320
Dodecagon	12	30.00	150.00	75.00	Semi-diameter 1.0000 Side —— .5177 Perpendicular — .9659	11.19451	.75006	1.33332	3.00027
Tridecagon	13	27.41$\frac{2}{13}$	152.18$\frac{9}{20}$	76.09$\frac{1}{5}$	Semi-diameter 1.0000 Side —— .4786 Perpendicular — .9709	13.18606	.75509	1.32434	3.02037
Tessaredecagon	14	25.42$\frac{5}{6}$	154.17$\frac{2}{15}$	77.08$\frac{2}{12}$	Semi-diameter 1.0000 Side —— .4450 Perpendicular — .9749	15.33555	.75920	1.31713	3.03681
Pentedecagon	15	24.00	156.00	78.00	Semi-diameter 1.0000 Side —— .4158 Perpendicular — .9781	17.64249	.76255	1.31138	3.05020
Hexadecagon	16	22.30	157.30	78.45	Semi-diameter 1.0000 Side —— .3902 Perpendicular — .9808	20.10866	.76541	1.30647	3.06166
Heptadecagon	17	21.10$\frac{2}{12}$	158.49$\frac{6}{15}$	79.24$\frac{7}{10}$	Semi-diameter 1.0000 Side —— .3675 Perpendicular — .9830	22.73604	.76766	1.30266	3.07064
Octodecagon	18	20.00	160.00	80.00	Semi-diameter 1.0000 Side —— .3473 Perpendicular — .9852	25.53212	.76985	1.29898	3.07943

PROBLEM XVIII.

To make a Pentagon, Hexagon, Heptagon, and Octogon, capable of inclosing a Town or City, with Ease and Expedition, with a Line and ten Foot Rod only, of great Use in Fortification and Gardening, *&c.*

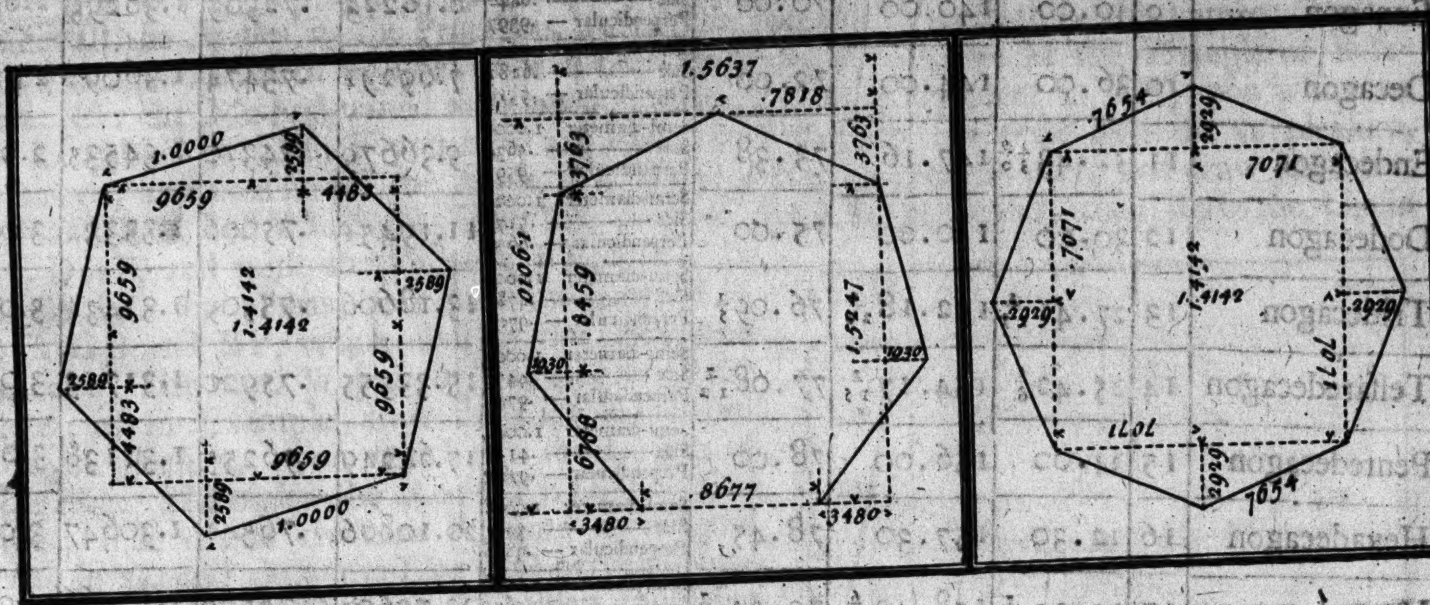
Practice.

Let A A A A, *&c.* represent a Town or City, *&c.* then by *Problem* 14th, erect the Perpendicular B C upon the Line B D; then measure the Length of the Town or City (which suppose to be 1760 Yards, and by the Rule of Proportion say, As 1.8090 the Length of the oblong Square B C D E, is to 1760 Yards, the supposed Length of the Town or City, *&c.* so is 1.5736 the Breadth of the oblong Square B C D E, to 1530 Yards, 2 Foot, 4 Inches, and about $\frac{1}{7}$, the suppos'd Breadth of the Town, *&c.* Then for the Perpendicular B F, say as C B 1.8090 is to 1760 Yards; so is B F 1.1178 to 1087 Yards, 1 Foot, 6 Inches, and about $\frac{1}{12}$, the same Method is to be observed for the rest of the Numbers you want in Yards, *&c.* as the Perpendicular G F, which will be 159 Yards, 2 Foot, 3 Inches and about $\frac{1}{12}$, the Line B K or L D will be 193 Yards, 1 Foot, and almost 10 Inches; and of consequence the Side of the Pentagon K L or H I, will be 1142 Yards, 1 Foot 8 Inches, and about $\frac{1}{4}$th; the Line C M or M E at the Top of the oblong Square, being half the



 Breadth

Breadth of the Side CE, will be 765 Yards, 1 Foot, 2 Inches, and about $\frac{1}{2}$. Thus with very little Trouble may the Pentagon, or the other Polygons above-mentioned, be made without any other Instrument than a Line and a 10 Foot Rod, which Method will be found of great Advantage to many, who do not know the Use of the proper Instruments, as well as those who do; for it may possibly happen, a regular Polygon may be required to be made, when there is no Instrument to be had, or procured at the time you want them. The Numbers fixed to the Pentagon, as well as those to the Hexagon, Heptagon, and Octogon, in the Figures underneath, are perpetual, and will serve upon all Occasions, let the Polygons be ever so large or small; for the Proportions will always be as above; that is, as the Side of the Oblong in the Pentagon and Heptagon, or the Side of the Square in the Hexagon and Octogon, is to the real Sides of the Town or City, &c. in Perches, Yards, Feet or Inches, &c. so is any other of the Numbers in the Figures to the real Quantity of Perches, Yards, Feet or Inches required to make the Polygons, &c. And this, I think, is sufficient for the Purposes above-mentioned, to form the grand Lines, which is the principal thing: The making of the Bastions, and other Works of Fortification, on the Sides where they are too long to be defended by Musket-shot from the Bastions at the Angles, &c. is the Work of an Engineer, or Persons more skilled in Fortification than I am, and indeed I should not have mentioned this at all in this Treatise, were it not for the Affinity there is between the Civil and Military Architecture; for one may, I presume, without Offence affirm, that it is hardly possible for an Architect to be skilful in one, without having some Knowledge of the other.



PART III.

MENSURATION.

IF it will not be thought improper, I should be glad in this Place to acquaint the ingenious Reader, that the Mensuration of all Sorts of Superficies and Solids is not attempted; but only such as are absolutely necessary to obtain a competent Knowledge of measuring the several Artificers Work in a Building, or to make the Estimate before the Building is erected, which ought to be done with as much Care as when the Building is finished; the Method of doing which, when I come to the the 5th Part or Section (this being only the Ground-work or Foundation) I shall endeavour to explain in as short and easy a Way as I can, because of the great Consequence that attends it; for there is nothing makes so much Uneasiness between the Gentleman who builds, and the Architect or Artificers, as the wrong Accounts of the Estimate or Expence of a Building, which sometimes comes to as much again as was at first intended to be laid out: This being a great Discouragement to those, who intend to pay honestly for their Buildings, it is the Duty of all Architects to be very careful in this respect, and to take time to make and prepare their Estimates by the Drawing or Model, before they give any Answer to those, who would oftentimes know the Expence before the Plan is fixed upon, which is impossible, and is therefore often the Cause of the Deficiency of the Estimate.

The best Way, in my humble Opinion, is for the Gentleman, who builds, to fix intirely upon the Plan, before he so much as asks for the Estimate, and then he will be sure of having all the Conveniencies he wants, or else to determine at once the Sum of Money he intends to lay out, and then to have a Design made accordingly: If these Measures are taken, and the Building erected according to the Designs, without any Alterations (which must always be allowed for, whenever they happen) and the Expence should be any thing considerable more than the Estimate or Sum determined, the Architect or Artificers, who undertake the Work, must bear the Blame.

This is enough at present to shew how much depends upon being exact in our Calculations, and with what Care Gentlemen should proceed, who intend to Build, lest they lose the Benefit

nefit of their Labour, which should be attended at least with Pleasure and Satisfaction, as a Reward for the Good they do, in employing so many Tradesmen, who are concern'd in Building, and also for the Addition of Beauty it makes to the City, Town or Country, where they happen to build; and that I may in some Measure contribute to the Advancement of the Art of Building, and to the Encouragement of such good Designs above-mentioned, I have spared no Pains to make the most difficult Parts easy, delightful and profitable, both to the Builder and the Artificer, in order to which, it is my humble Request to the ingenious Practitioner to be as perfect as possible in the following Examples, which will make him proceed in the rest of the Work with Delight.

To extract the square Root.

Or to extract the Root of any square Number proposed, is to find out another Number, which, when it is multiplied by itself, produces the Number proposed, and, for the more easy Method of doing this, the following Table must be learned by heart, which is only to remember,

That 1 is the Root of 1, 2 is the Root of 4, 3 the Root of 9, 4 the Root of 16, 5 the Root of 25, 6 the Root of 36, 7 the Root of 49, 8 the Root of 64, and 9 the Root of 81; and also, that 1 is the Square of the Root 1, 4 the Square of the Root 2, 9 the Square of the Root 3, 16 the Square of the Root 4, 25 the Square of the Root 5, 36 the Square of the Root 6, 49 the Square of the Root 7, 64 the Square of the Root 8, and 81 the Square of the Root 9, as may be seen in the Table underneath.

Root	1	2	3	4	5	6	7	8	9
Square	1	4	9	16	25	36	49	64	81

PROPOSITION I.

Let it be required to extract the Root of the whole Number 987654.

Set down the Number as in the Margin, and make a Point or Dot over the Place of Units, another over the Place of Hundreds, and so on towards the Left-hand, as in the Example, always leaving one Figure between the Dots; then make a circular Line, as you do in Division, and find the Root of the first Number 98, the nearest to which is 9, set down the 9 in the Quotient, and its Square 81 underneath the 98; and then substract as you do in Division, and bring down the next Number 76 to it, which makes a Dividend of 1776, and for the Divisor you must double the Root 9, by saying, twice 9 is 18, which set down towards the left Hand, as you see in the Margin; and then, as you do in Division, say, how many times 1 can I have in 17, or how many times 18 in 177, which will be found 9 times; then set the 9 in your Quotient, and also in your Divisor, which must always be observ'd; then multiply the Divisor by 9 and place the Product underneath the Dividend 1776 and substract as before, there remaining 75, to which bring down the next Number 54, which makes a new Dividend of 7554; then double the Figures in the Quotient, which is now 99, and say twice 9 is 18, 8 and go 1, and twice 9 is 18 and 1 is 19, which makes 198 for the new Divisor; which set down as in the Example, and divide as you did before, by asking how many times 19 there can be had in 75, this being found to be 3 times; set down the 3 in the Quotient, and also in the Divisor, and then multiply the Divisor by 3, and place the Product 5949 underneath the Dividend 7554, and substract as before, there remaining 1605, by which you may perceive, that 993 is not the exact Root of the whole Number 987654, for if it had been exact, there would have been no Remainder, whereas there is now remaining 1605; therefore in this Case, and all others, whenever there is a Remainder, if there is a Necessity of having the Root more exact, the Method is to put two Cyphers to the right Hand of the Remainder, which makes a new Dividend; and then to work as before (as may be seen by Inspection in the Margin) till you have got two or three Places in the Decimals, which is exact enough for most Business, always remembring, that whatever Figure you have for the Quotient, the same must be put in the Divisor, that it may be multiplied with it, as has been already mentioned above. There remains one thing more, and that is, if it is required to have the Root of the same Denomination into which the whole Number to be extracted is divisible, it is requisite to bring the Decimals into such Parts as are required; for Example, if the whole Number is Yards, the Root ought to be Yards and Quarters

```
        987654(993.807          4 Quarters
        81                     ------
       -------                 3.228
189)1776                       ------
    1701                          807
   -------                        3 Feet
1983) 7554                     ------
      5949                     2.421
     -------                     12 Inches
19868)160500                   ------
      158944                   5.052
     --------
198760) 155600
        000000                       807
       --------                      12 Inches
1987607)15560000                   ------
        13913249                   9.684
       ----------                    12 Parts of an
Remains  1646751                   ------       Inch
        ---------                  8.208
993 Yards 3 Quarters
993 Yards 2 Foot 5 Inches
993 Feet 9 Inches and 8-12ths
```

Proof of the Work.

```
        993.807
        993.807
       --------
        6956649
      79504560
      2981421
     8944263
    8944263
   ------------
   987652353249
        1646751   Remainder
   ------------
   987654.000000
```

Quarters of Yards, or Yards, Feet and Inches, whenever there is a Remainder; so likewise, if the whole Number is Feet, the Root must be Feet, and if any Remainder, the Parts must be Inches and Parts of Inches, &c. therefore if the whole Number is Yards, multiply the Decimals by 4, to know the Quarters of Yards, and cut off one Figure to the left Hand, as in the Example, which will be Quarters; so likewise, if the Root should be Yards, Feet and Inches, multiply the Decimals by 3, to reduce them into Feet, and cut off a Figure to the left Hand, as before, and multiply that Product by 12, to bring them into Inches, as may be seen in the Margin; and also, if the whole Number is Feet, the Decimals must be multiplied by 12, to bring them into Inches, and that Product again by 12, to bring them into Parts of Inches, as may be seen by Inspection, which will explain this Method better than many Words.

To Extract the Cube Root,

Or to extract the Cube Root of any whole Number, is to find out another Number, which being multiplied by its self, and that Product by the same Number again, shall produce the Number proposed; and for the more easy Extraction of the Cube Root of any Number proposed,

The under-written Table must also be learned by heart, which will be very easy to do, there being no great Difficulty to remember, that 1 is the Root of 1; 2 is the Root of 8; 3 the Root of 27; 4 the Root of 64; 5 the Root of 125, and 6 the Root of 216, &c. And also that 1 is the Cube of 1; 8 the Cube of 2; 27 the Cube of 3; 64 the Cube of 4; 125 the Cube of 5, and 216 the Cube of 6, &c.

Root	1	2	3	4	5	6	7	8	9
Cube	1	8	27	64	125	216	343	512	729

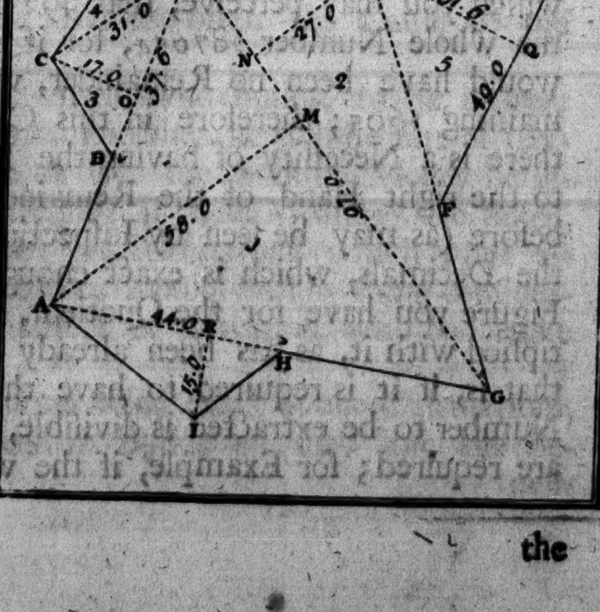
PROPOSITION II.

Let it be required to extract the Cube Root of the whole Number 54937601.000000

```
          54937601.000000(380.15
          27
       27)279 Dividend
          54872 Cube of 38
    4332)   656 Dividend
          54872000 Cube of 380
  433200)   656010 Dividend
          54915331401 Cube of 380.1
43342893)   222695990 Dividend
          54937005653375 Cube of 380.15
               595346625 Remains
```

Point the Number as before, and find the nearest Cube to 54, which is 3; set 3 in the Quotient, and substract its Cube 27 from 54, and augment the Remainder 27 by 9 the next Figure in the Resolvend, which Name is here given to the whole Number 54937601; and so continue throughout the whole Work; then divide the Dividend 279 by 27 the triple Square of the Root 3, and it will give 9 times for the second Figure of the Quotient. But since the Cube of the Quotient 39, *viz.* 59319, would come out too great to be substracted from the Figures 54937, that precede the second Point in the Resolvend, there must only 8 be writ in the Quotient; then the Quotient 38 being in a separate Paper (or Place) multiplied by 38, and that Product again by 38, gives the Cube 54872, and this taken from 54937 will leave 65, which being augmented by the next Figure of the Resolvend 6, and divided by the triple Square of the Quotient, *viz.* by seeking how many times 4332 the triple Square is contained in 656, it gives 0 for the 3d Figure of the Quotient, for 4332 cannot be had in 656; then Cube the Quotient 380, and take its Cube 54872009 out of the Resolvend 54937601, and there will remain 656010, which being again augmented by 0 (to bring the Root or Quotient iuto Decimals) and divided by 433200, the triple Square of the Root or Quotient 380, it gives 1 for the 4th Figure of the Quotient; the same Method must be continued for the 5th Figure in the Quotient, and so on, if there is more Figures required; the rest of the Work may be seen in the Margin, which will sufficiently explain this Method.

PROPOSITION III.



To find the Area or superficial Content of the irregular Piece of Ground ABCDEFGHI.

Divide the whole Piece of Ground into as few Triangles as possible; in order to which, continue the Sides A B, G F to K and L, and the Side G H to A, which forms the Trapezium A K L G and the two Triangles A I H and F L E, draw the Diagonal K G, making the two Triangles A K G and G K L, draw the Diagonal C K of the small Trapezium B C D K, which makes the two Triangles K C B and C D K. Thus is the whole Ground divided into 6 Triangles; then make all the Perpendiculars at right Angles, with their Bases as is seen in the Figure in the Margin, and find

the

the Content of each Triangle, by multiplying either the Base and Perpendicular together, and take half the Sum for the Content, or by multiplying the Base and half the Perpendicular of every Triangle, which will also give the Content; then add the Contents of all the Triangles together, which will give 5667 Feet for the Area of the whole Piece of Ground ABCDEFGHI.

PROPOSITION IV.

To find the Side of a Square, whose Area shall be equal to the irregular Piece of Ground above-mentioned.

Extract the square Root of the Area 5667 Foot, and the Root 75 Foot, and 2794 decimal Parts is the Side of the Square required, near enough for Business, it bringing the Contents within less then $\frac{2}{1000}$ Parts of a Foot.

PRROPOSITION V.

Suppose one Side of a Parallelogram to be 150 Foot, to find the other Side in order to make the Content or Area equal to the above-mentioned Piece of Ground.

Divide the Area of the Piece of Ground 5667 Foot by 150 Foot the given Length, and the Quotient 37 Foot $\frac{78}{100}$ is the exact Length of the other Side.

PROPOSITION VI.

To find the Area or superficial Content of the Floor or Cieling A in the Plan of the House in *Plate* 22.

Multiply the Length 45 Foot by the Breadth 15 Foot, or look in the Tables of Feet and Inches at the End of the Book for those Dimensions, and you will find the Content to be 675 Foot; then deduct the Chimnies, one of which is in large as at G, and breaks into the Room 9 Inches and its Breadth is 7 Foot, which makes the Dimension 7 Foot by 9 Inches; this being multiplied together, or looked for in the Table, *&c.* the Area or Content will be 5 Foot 3 Inches, to which you must add the same Dimension for the other Chimney in the same Room, which will make 10 Foot 3 Inches for the Deduction, and must be taken out of 675 Foot, there remaining 664 Foot 9 Inches for the Content of the Floor or Cieling, *&c.*

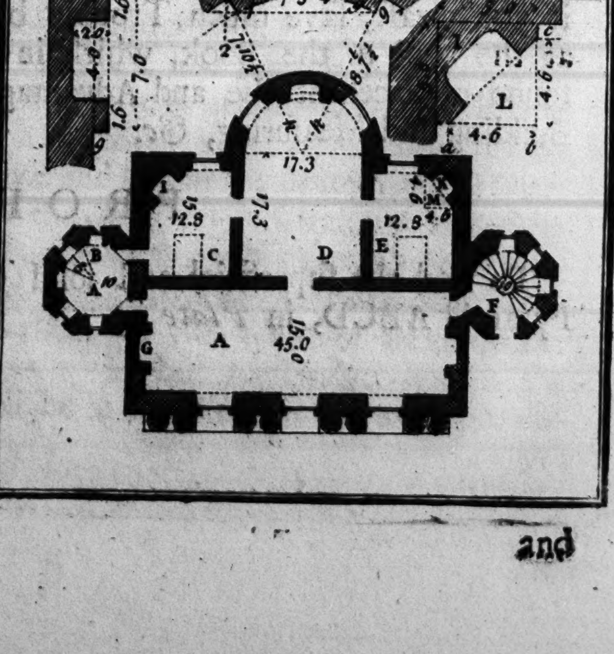
PROPOSITION VII.

To find the Area of the Floor or Cieling of the Octagon Closet B, which is inscribed in a Square of 10 Foot, in *Plate* 22.

First find one of the Sides by looking into the Tables of Polygons, and, by the Rule of Three, say, as .9239 (the tabular Number for the Perpendicular of the Octagon) is to 5 Foot the Perpendicular, from the Side to the Center A of the Octogon, so is 7654 the tabular Number for the Side to 4.142 the Side of the Octogon of the Closet; this being done, multiply the Side 4.142 by 2.500 half the Perpendicular 5 Foot, and then multiply the Product by 8 (the Number of Sides in the Octogon) and it will give 82 Foot 84 decimal Parts for the Content, the Method of bringing the decimal Parts into Inches, is multiplying them by 12, *&c.* as has been already mention'd; and here I must take Notice, that if you have only the Side of a Polygon in Feet, Inches or Yards, *&c.* and want to know the Radius of the Circle in which those Polygons are inscribed, or the Perpendicular of the Polygons, *&c.* the Method is, as the tabular Number for the Side of the Polygon, is to the Measure of the Side in Feet, Inches, Yards, *&c.* so is 1.0000 the tabular Number for the Radius, to the Radius in Feet, Inches or Yards, *&c.* and so for the Perpendiculars, which may sometimes be of great Service when you cannot come to measure them.

PROPOSITION VIII.

To find the Area of the Floors or Cielings of the Rooms C D E. *Plate* 22.



Multiply the Length and Breadth of the Room C, 12 Foot 8 Inches by 15 Foot, or look for the Contents in the Table of Feet and Inches, where will be found 190 Foot for the Content, to which add 190 Foot for the Room E, which is the same as C; then measure the square Part of the Room D, 17 Foot 3 Inches by 17 Foot 3 Inches as before, either by the Tables or Multiplication, *&c.* and the Content will be 297 Foot 6 Inches and $\frac{9}{12}$; then for the circular Part (it being half a Circle) find the Circumference of the whole Circle by multiplying the Diameter 17.3 by 3.1416, and take half the Product for the Circumference of the Semi-circle,

and multiply it by half the Radius, that will give 116 Foot 10 Inches and $\frac{2}{12}$ths for the Area of that Part of the Room, what remains to be done, is to deduct the Chimneys I and H for the two Rooms C and D, and the Chimney K in the Room E, which is a right-angled Triangle. The angular Chimney I forms a small Square, whose Sides are 5 Foot, the Area of which is 25 Foot, out of which the Triangle L must be deducted, therefore multiply *a b* the Base 4 Foot 6 Inches by 2 Foot 3 Inches, half the Perpendicular *b c*, which makes 10 Foot 1 Inch and $\frac{1}{2}$, this being taken out of 25 Foot, there remains 14 Foot 10 Inches $\frac{1}{2}$ for the Deduction, out of the Room C. The Triangle M in the Room E being the same as the Triangle K in which the Chimney stands, and also the same Dimensions as the Triangle L, which was last measur'd, the same Area, which was 10 Foot 1 Inch $\frac{1}{2}$, will serve for the Deduction out of the Room E; and the way to measure the Chimney H for the Deduction, is to multiply the Circumference *d e* 7 Foot 11 Inches $\frac{9}{12}$ by half the Radius *h i*, which is 4 Foot 2 Inches $\frac{9}{12}$ths, and this gives the Area of the whole Segment of the Circle *d k h e*; then must the Area of the Segment *f g k h* be found in like Manner, that is by multiplying the Circumference *f g* 7 Foot 3 Inches $\frac{4}{12}$ by half the Radius *f h*, which is 2 Foot 11 Inches $\frac{3}{12}$; then subtract the lesser Area from the greater, and there will remain for the Deduction of the Breast of the Chimney, &c. 5 Foot 8 Inches $\frac{8}{12}$ths, &c. but as this is somewhat tedious and troublesome to find the Arch-line *d e* when the Building is erected, it will be sufficient to measure the Arch *f g* with a Rule, that will bend to the circular Part, and add to it 4 Inches $\frac{2}{12}$, which is the Distance from the Angle *f* to the Line 1 . 2. and is perpendicular to the Chord-line *f g*; then multiply that Length, which will then be 7 Foot 7 Inches $\frac{1}{2}$ by 9 Inches, and it will produce 5 Foot 8 Inches $\frac{7}{12}$ and $\frac{1}{2}$, which is near enough for any Business, the difference between the true way and this being less then $\frac{1}{2}$ one twelfth of an Inch; then add the Contents of the Rooms C D E together, and also the Deductions by themselves, and from the total of the Rooms take the total of the Deductions, and there will be left for the Area of the Rooms C D E 763 Foot 8 Inches $\frac{3}{12}$ths.

PROPOSITION IX.

To find the Area of the circular Stair-case F, whose Diameter is 10 Foot. *Plate* 22.

Square the Diameter 10 Foot, and multiply that Product by 7854, it will give the Area; or, if you find the Circumference by multiplying the Diameter 10 Foot, by 3.1416, and then multiply half the Circumference by 5 Foot the Radius or Semi-diameter, it will also give the Area.

PROPOSITION X.

To find the superficial and solid Content of the square Pyramid A B C D with its Base H I. *Plate* 23.

For the superficial Content, multiply the Length of the Base 5 Foot 6 Inches $\frac{2}{12}$ by 1 Foot 5 Inches the Height, and that Product by 4 for the Sides; then for the Top-part or Off-set I, measure the Length from 1 to 2, which will be 5 Foot 3 Inches $\frac{1}{12}$, and multiply it by 3 Inches $\frac{1}{12}$ the Breadth, and that Product again by 4 for all the Sides; then for the upper Part or Pyramid A B C D, multiply 16 Foot 8 Inches $\frac{1}{4}$ the Length of the Side D B C, which is the Line I D, by 10 Foot the Length of the two base Lines of the Pyramid A B, B C, and it will give the Content, or if the Length is multiply'd by half the Line A B, or B C, 2 Foot 6 Inches, and that Product again by 4 for all the Sides, it will also give the Area or superficial Content required.

For the solid Content.

Square the Length of the Base H 5 Foot 6 Inches $\frac{2}{12}$ (which is multiplying 5 Foot 6 Inches $\frac{2}{12}$ it by 5 Foot 6 Inches $\frac{2}{12}$) and multiply the Product by 1 Foot 5 Inches the Height, and that Product will be the solid Content of the Base H; then square 5 Foot the Base of the Pyramid, and multiply it by $\frac{1}{3}$d of its perpendicular Height, which is 5 Foot 6 Inches, and the Product is 137 Foot 6 Inches the solid Content required.

In all the foregoing *Propositions*, as well as those which are to come hereafter, you may, if you please, save much Trouble by looking for the Areas or Contents, &c. in the Tables at the End of the Book, which in Mensurations consisting of many Dimensions, will be found of excellent Use and Advantage, not only to Learners, but to all others conversant in Building and Measuring, &c.

PROPOSITION XI.

To find the superficial and solid Content of the Frustrum ABCELFG, or Piece of the Pyramid ABCD, in *Plate* 23.

And

And *viz.* for the superficial Content, take the Side FG at the top, which is 1 Foot 8 Inches from BC 5 Foot, and to half the Remainder add the Side at top, which is 1 Foot 8 Inches; then multiply the Product by 11 Foot 1 Inch $\frac{1}{2}$, the middle Line of the Side FGBC; then multiply that Product by 4 for the other Sides, to which if you please to add the Area of the top ELFG, it will give 148 Foot 4 Inches for the Area or superficial Content of the Frustrum ABCELFG.

For the solid Content.

Let the Sides be continued to D, which will form the Pyramid ABCD, and to know the Length of its Axis or Perpendicular DK, the Method is to use the following Proportions: As the Difference of the Sides BC, FG 3 Foot 4 Inches, is to the little Side FG 1 Foot 8 Inches; so is the Height or Axis IK, 11 Foot to 5 Foot 6 Inches the Height of the Axis KD: Or as the Difference of the Sides BC, FG 3 Foot 4 Inches is to the greater Side BC 5 Foot; so is the Height IK, or Axis of the Frustrum, 11 Foot to 16 Foot 6 Inches, the whole Height ID; from which if you take 11 Foot 6 Inches, there will remain 5 Foot 6 Inches for the Height of the small Pyramid EFLGD; then find the Content of the lesser Pyramid by the Method already taught, and take its Content 5 Foot 1 Inch 1 Part $\frac{4}{12}$ths, from the solid Content of the greater Pyramid, as before, and the remainder 132 Foot 4 Inches 10 Parts and $\frac{8}{12}$ths, is the solid Content of the Frustrum ABCELFG.

PROPOSITION XII.

To find the superficial and solid Content of the Pedestal and part of the Column BCDEFG, in *Plate* 23.

For the superficial Content; and first the Plinth G of the Base of the Pedestal, being the same Length and Breadth as the Base of the Pyramid, the same Contents will serve; the next thing is to girt the Mouldings F with a String or piece of Tape, which suppose to be 12 Inches $\frac{7}{12}$ths; and multiply it by the Length 4 Foot 9 Inches $\frac{1}{4}$ (which is the Breadth of the Die of the Pedestal, and 8 Inches $\frac{1}{2}$ added to it for the Projection of the Mouldings, as the Line *ab*) then multiply that Product by 4 for the Number of the Sides, and it will give the Area of the Mouldings of the Base, &c. the same must be done for the Capital D, and for the Dado or Die of the Pedestal E, you must multiply the Height 4 Foot 10 Inches $\frac{7}{12}$ by the Breadth 4 Foot 1 Inch $\frac{2}{12}$ths, and that Product by 4 for the Sides, will give the Area; then for the Top of the Capital *cd*, 4 times 8 Inches $\frac{1}{2}$ its Breadth, which is 2 Foot 10 Inches by 4 Foot 9 Inches $\frac{8}{12}$, the same Length that was taken to the Mouldings of the Base (because the Projections are the same) will give the Area; then for the Base of the Column, multiply the Length of the Plinth C, 4 Foot 1 Inch $\frac{2}{12}$ by 6 Inches its Height or Breadth, this 4 times gives the Area; then girt the Members or Mouldings of the Base from C to H, which suppose to be 1 Foot 9 Inches $\frac{5}{12}$, and multiply it by the Circumference of a Circle, whose Diameter is the Diameter of the Column, and Projection of the Base together, which makes 3 Foot 7 Inches for the mean Diameter of the Base, and consequently the Circumference must be 11 Foot 3 Inches $\frac{1}{12}$th, these being multiplied together gives the Area of the Mouldings of the Base, with the Cincture and List at the Bottom of the Column: There remains now only Part of the Column B, whose Length is 9 Foot and Diameter 2 Foot to be measured, this being a perfect Cylinder, you must multiply the Length 9 Foot by 9 Foot 5 Inches $\frac{1}{12}$, the Circumference, which gives the Superficies required. The top Part on which the Ball or Globe, &c. is placed need not be measured; for when the next Stone or other Part of the Column is placed on it, it will not be required

For the solid Content.

The Plinth G being the same as in the Pyramid need not be measured again; and for the Mouldings of the base Square, the Length 4 Foot 9 Inches $\frac{8}{12}$, and multiply the Product by the Height 8 Inches $\frac{1}{2}$; then for the Dado or Die of the Pedestal E, square the Breadth 4 Foot 1 Inch $\frac{2}{12}$ths, and multiply the Product by the Height 4 Foot 10 Inches $\frac{7}{12}$ths for the Cap D of the Pedestal E, square the Length 4 Foot 9 Inches $\frac{8}{12}$ths, and multiply that Product by the Height 1 Foot $\frac{10}{12}$ths, For the Plinth C of the Base of the Column B, square the Length 4 Foot 1 Inch $\frac{2}{12}$, and multiply the Product by the Height 6 Inches, and for the Mouldings or Members of the Base of the Column, multiply the Area of a Circle, whose Diameter is the Diameter of the Column and Projecture of the Base (which is 3 Foot 7 Inches as before) by its perpendicular Height 1 Foot 1 Inch $\frac{0}{12}$, including the Cincture and List at the Bottom of the Shaft of the Column; and lastly, for the Column B, multiply the Area of a Circle, whose Diameter is equal to that of the Column, by the Height 9 Foot, which finishes the whole Work; but it is necessary here to observe, that the above Method teaches to measure the exact Quantity of Stone, &c. when wrought, and that it is usual to allow for the Waste of Stone in the Mouldings, &c. cut by the Chissel; and indeed this seems to be but reasonable, for in the Base of the Column alone, there is 11 Foot less than must be in the Stone it is wrought out of;

of; and therefore I may venture to affirm, that whenever it is not worth the while to saw the Stone for the Mouldings, and that you are obliged to work it with the Chissel, it must be allow'd for, either in Price or Quantity.

PROPOSITION XIII.

To find the superficial and solid Content of the Cone or round Pyramid C E F, with the Base or Plinth B, in *Plate* 23.

For the superficial Content of the Base or Plinth B, multiply the Length of the Side B by its Height 2 Foot, and that Product by 4 for the other Sides,; then for the Cone C E F, multiply the Circumference at Bottom 12 Foot 10 Inches $\frac{1}{12}$, by 8 Foot 9 Inches $\frac{8}{12}$ths, half the Side C F, or C E, and the Area or Content will be 113 Foot 4 Inches.

For the solid Content.

And first of the Plinth B, square the Length of the Side B, and multiply the Product by the Height 2 Foot; then for the Cone, find the Area of the Base (which is a Circle of 4 Foot 1 Inch $\frac{2}{12}$ Diameter) as has been already taught, and multiply it by 5 Foot 10 Inches one third of the perpendicular Height, or Axis C D, 17 Foot 6 Inches, and it will give 13 Foot 2 Inches $\frac{1}{4}$ for the solid Content required.

PROPOSITION XIV.

To find the superficial and solid Content of the Frustrum of the Cone CEF, in *Plate* 23.

For the superficial Content, add the Circumference of the greater Base E F 12 Foot 10 Inches $\frac{1}{12}$, to the Circumference of the lesser Base at the Top G H 4 Foot 3 Inches $\frac{1}{12}$ths, and multiply their Sum 17 Foot 1 Inch $\frac{10}{12}$ by the Side G E, 11 Foot 8 Inches $\frac{11}{12}$, and half the Product is the superficial Content required.

And for the solid Content.

Of the Frustrum G H F E, take the solid Content of the lesser Cone C G H, from the solid Content of the greater Cone C E F, and the Remainder is the solid Content of the Frustrum required; in order to which say, as the Difference of the Diameters G H, E F 2 Foot 8 Inches 9 Parts 4 Seconds, is to the little Diameter G H 1 Foot 4 Parts 8 Seconds, so is 11 Foot 8 Inches, the Axis of the Frustrum G H F E to A C, 5 Foot 10 Inches the Axis of the lesser Cone C G A H; then will the Work be with the lesser Cone, the same as the greater; that is, the Area of the Diameter G H 1 Foot 5 Inches 6 Parts 11 Seconds, must be multiplied by 1 Foot 11 Inches 4 Parts, the $\frac{1}{3}$d of the Axis C A, and the Product 2 Foot 10 Inches 2 Parts 1 Second, &c. will be the solid Content, and this taken from 13 Foot 2 Inches $\frac{1}{4}$, the solid Content of the great Cone, there will remain 10 Foot 4 Inches, &c. for the Area or solid Content of the Frustrum of the Cone required.

PROPOSITION XV.

To find the superficial and solid Content of the Globe or Ball A upon the Column B, whose Diameter is 3 Foot, in *Plate* 23.

For the superficial Content of the Globe or Ball A, multiply the Square of the Diameter, which is 9 Foot, by 9 Inches 5 Parts 1 Second 2 Thirds, and it will give 7 Foot 0 Inches 9 Parts 10 Seconds and 6 Thirds for the Area of a Circle, whose Diameter is equal to the Diameter of the Ball; this multiplied by 4 gives 28 Foot 3 Inches $\frac{1}{4}$ for the Area of the Superficies; or if you square the Diameter, and multiply it by 3 Foot 1 Inch 8 Parts 4 Seconds, it will give the superficial Content; both these Ways are near enough for any sort of Business whatsoever, even if it were of Gold or Silver, &c.

For the solid Content.

Square the Diameter and multiply the Product by 9 Inches 5 Parts 1 Second 2 Thirds, and that Product again by 3 Foot the Diameter, and it will give 21 Foot 2 Inches 5 Parts 7 Seconds 6 Thirds, $\frac{2}{3}$ds of which is the solid Content required, or cube the Diameter and multiply it by 0.6.3.4.9, and it will give 14 Foot 1 Inch $\frac{7}{12}$ths, &c. for the solid Content.

Many more Examples of Mensurations might have been given, but these well understood will be sufficient for the Learner, and what I hope will be thankfully accepted, being the very Marrow and Essence of many learned Authors on this Subject, as well as my own Labours, which is most humbly submitted to the Publick, for the Benefit and Encouragement of all, who delight in the Study and Practice of Architecture.

BOOK

Ages. It is therefore hoped that what is now produced will have the same Effect, and meet with the same Approbation, which will be the greatest Pleasure that can possibly be to me, having done my best for the Service of my Country (as far as I may be allowed that Expression) in endeavouring to bring this Art as near to Perfection as was possible for me to do. But before I quit this Subject, I beg leave to add one * Plate more of the Elevations of the several Forms of Temples, different from what will be found in any Author. Monsieur *Perrault* in his Translation of *Vitruvius*, has given the Elevations of five Sorts of Temples, in order to explain and illustrate what *Vitruvius* calls the five Spaces of Buildings, which are, as has been said before, the Pycnostile, the Systile, the Eustyle, Diastyle and Aræostyle; and in so doing, has given us a perfect Idea of those several Distances or Intercolumnations, particularly that which explains the Intercolumnation of Systyle, which he has made of the *Ionick* Order.

But whether he has in so doing exactly followed the Precepts of *Vitruvius*, I will not take upon me to determine, for altho' *Vitruvius* in the 2d Chapter of the 3d Book doth say, that when the Columns are placed Systyle, the Height should be divided into nine Parts and a half, and that one of those Parts are for the Diameter (which makes it plain that when Columns are placed Systyle, it should be either *Corinthian* or *Composite*) yet I say there may have been Examples in the Works of Antiquity to justify this Liberty, of which we are in the Dark at present.

Vitruvius in his Preface to the 7th Book, mentions many fine and glorious Buildings, and also the Names of the Authors who wrote of their Proportions, yet I cannot find that he says any more than that such and such a Temple, &c. was of this or that Order, without so much as naming any of the Sorts of their Intercolumnations, and altho' *Pliny* does in some Particulars help out with this Deficiency, yet many are omitted; it is therefore very possible, that there might be Buildings of this Sort, otherwise why does *Vitruvius* himself say, that the Pycnostyle and Systyle were complained of as being too close for the Ladies to go to say their Prayers in the Temples, if they held one another by the Hand, as was customary in those Days.

But however, let this be as it will, I am so far from blaming Monsieur *Perrault* in taking this Liberty, that I do verily believe no Man ever deserved better of the Publick than himself, even for this Work only, of his Translation of *Vitruvius*, which is most incomparably fine and instructive.

I have therefore taken the Liberty to remove all these Difficulties, by making the Designs for the Plates abovemention'd, which with the Alterations of the Entablatures of the several Orders of Columns before spoken of, † will sufficiently suit the said several Distances, so that some one or other of them, will be sure to be according to the Text of *Vitruvius*, which is what I have incessantly laboured at, and which I hope is done to the Satisfaction of all ingenious and learned Persons, who profess the Study of Architecture. It will now be necessary to take Notice of what is very surprizing, and that is, that in all the Authors I have yet seen they have not so much as mentioned, nor made Provision for the Current of Water from the Projections of the Cornices and Capitals, &c. in outside Works, except in the *Ionick* and *Corinthian* Pedestals of *Palladio* and *Scammozzi*, where there is something like it. *Palladio* has also done the same in the *Dorick*, by making a great Cavetto or Hollow, including the Plinth of the Base of the Column, which indeed carries off the Water, but the Method is not much approved, on the Account of the Appearance it makes, which is as if the Base of the Column and Capital of the Pedestal were all one, but this is only for the Projection of the Capitals of Pedestals, the Cornices and other Projections which require it most, being without any Care taken of them, which shall be further explained hereafter.

I might here give many more Instances of several Mistakes and Omissions in several celebrated Authors, but I chuse to pass them over in Silence, and yet I cannot help wishing, that *Palladio* and *Scammozzi* had been more exact in the Measures of the Ancient Buildings, and also more particular in the Description of their Designs of Modern Buildings, which would have been of great Service to young Beginners: It is therefore my Advice, that whenever their Books are read, that it should be with great Attention and Patience, for there is many Things, which will not be understood at the first reading, and to observe that there are some small Mistakes in the Minutes or Measures of the Orders, which may with a little Care and Application be rectified.

One Thing more I must beg leave to explain, for it is very material, and indeed it is almost the very Life and Soul of Architecture, and what none of our most celebrated Architects, at least none that I know of, has taken any notice of, and that is, what Method is best to take in forming the Heights of Entablatures, both to outside and inside Works, when there are no Columns or Pilasters, and also to form an Ordnance for the Columns and Pilasters, when they are used without Pedestals.

The Method generally used by our Artificers, has constantly been to have little or no Regard to the Loss of the Pedestal, but to divide the Height of the Room or Place where the Columns or Pilasters were to stand into the same Number of Parts as the Column and Entablature consists of without a Pedestal, which makes the Height of the Entablature much larger than it should be, for the true Proportion of the Column and Entablature, is when the Column or Pilaster hath a Pedestal.

* Plates 38, 39. † Plates 28, 29, 30, 31, 32, 33, &c.

Therefore the following Method is proposed, which is, to take the mean Height, when there is to be Columns or Pilasters; and when there is neither Columns nor Pilasters, the Height of the Entablature should be the same as when there is a Pedestal; as for Example if we would place the *Corinthian* Column with its Pedestal in a Room or Hall fifteen Feet high, the Method would be to divide the Height into forty-four Parts and a Half, nine of those Parts will be the Height of the Pedestal, Twenty-nine the Height of the Column, including its Base and Capital, and six and a half will be for the Entablature either with or without the Columns or Pilasters, &c. And to place a Column or Pilaster of the *Corinthian* Order without a Pedestal in the same Height, the Method is usual to divide the Height into thirty-five Parts and a Half, twenty nine of which are for the Columns, and six and a Half for the Entablature, which makes the Entablature two Feet eight Inches eleven Twelfths and a Half, as near as can be divided, which is too large; and by the first Method with the Pedestal, the Entablature is only two Feet two Inches three Twelfths and a Half, &c. (which is the Height the Entablature should have, as well when there is Columns or Pilasters with Pedestals, as when there is no Columns or Pilasters, &c. as was said before, but cannot (to prevent Mistakes) be too often repeated.) But when there is to be Columns or Pilasters without Pedestals, both Heights should be added together, which makes four Feet eleven Inches and one Quarter, the Half of which will be a Mean between both, and is two Feet five Inches seven Twelfths and a Half for the Entablature, when the Columns or Pilasters have no Pedestals.

To find the Diameter of the Column according to this new Proportion, it will be necessary to take the Height of the Entablature from the whole Height where the Column is to stand, *viz.* two Feet five Inches seven Twelfths and a Half from fifteen Feet, the supposed or given Height, and the Remainder twelve Feet six Inches four Twelfths and a Half, must be divided into twenty-nine Parts, and three of those Parts will be the Diameter, which is one Foot three Inches six Twelfths and a Half as near as can be divided, which is bigger than the Diameter would have been, if the Column had had a Pedestal by three Inches five Twelfths, and it is also four Twelfths of an Inch larger in the Diameter, than it would have been, if this Medium had not been used, but then it is higher in Proportion, and gives a fine Dimension for the Entablature suitable to the Column, &c. and to the Height of the Room or Place where it is to stand, in lieu of that which would have been too large.

It may now perhaps be asked, why the Entablature which is for the Columns or Pilasters when they have a Pedestal (and is as it were the true Standard, Size or Dimension for Entablatures) may not serve when the Columns or Pilasters have no Pedestals? and again, why should not the Entablature have the same Proportion to the Columns or Pilasters, when without Pedestals, as well as when they have? To the first Question the Answer is very obvious, *viz.* that in this Case the Columns or Pilasters would be very large, and the Entablatures very small, in Proportion to their Bigness, and that it would have the same Appearance, as a very large Man would make with a Child's Hat on his Head; and in the other Case, the Entablature would be too large as is already mentioned, and would look like a prodigious large Man or Giant on his Knees, both which are disproportionate, and ought to be excluded from Practice by our Connisseurs in Architecture.

This however, (as it is an Affair of great Consequence, in relation to the Beauty and fine Proportions of our Buildings, and also because many knowing and skilful Persons in the Art of Building, have different Ideas of what is beautiful) shall be left to the Discretion of the Architect, and other Builders, to put in Practice as they please; only for my own Part, I shall always make it a Rule to govern myself by, and it is what I would persuade others to do, having found by Experience the good Effect it produces.

I shall therefore proceed to speak of what should have preceded this Digression; which is, that if any should think the above Method in calculating the Height of the Columns and Entablatures, &c. too much Trouble, I have made a new Projection for Entablatures to Columns without Pedestals, which is very near the said Medium, and will always continue the same, let the Largeness or Height of the Columns be what they will; for Example, when the Columns or Pilasters are to be in the Inside of the Building and without Pedestals, the Proportions are as follow, *viz.*

The *Tuscan* without a Pedestal for the Inside.

For the *Tuscan*, or the Height in which it is to stand, may be divided into eleven Parts, two of those Parts are for the Entablature, and the other nine for the Column, with its Base and Capital, &c. which said nine Parts, being again divided into twenty-three Parts, three of those Parts is for the Diameter.

The *Dorick* without a Pedestal for the Inside.

The *Dorick* may be divided into eleven Parts and a Half, two of those Parts are for the Entablature, and the other nine Parts and a Half being divided into twenty-five Parts, three of them is the Diameter.

The *Ionick* without a Pedestal for the Inside.

The *Ionick* may also be divided into twelve Parts, two of which are for the Entablature, and the other ten being divided by twenty-seven, three of those Parts are for the Diameter: And,

The *Corinthian* without a Pedestal for the Inside.

For the *Corinthian*, the Height may be divided into twelve Parts and one Quarter, two of the said Parts being for the Entablature, and the remaining ten Parts and one Quarter (which is for the Column) being divided into twenty-nine Parts, three of them will be the Diameter.

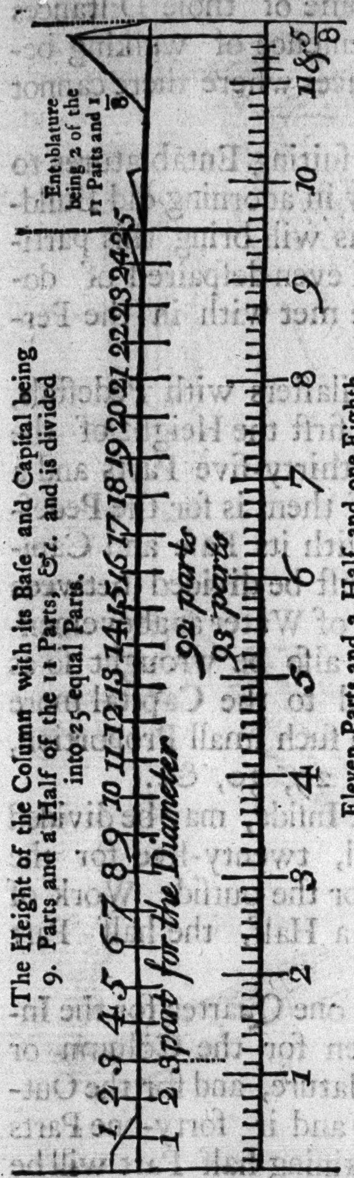
The *Composite* without a Pedestal for the Inside.

The *Composite* Column or Pilaster may be divided into twelve Parts and a Half, two of the said Parts are for the Entablature, the remaining ten Parts and a Half is for the Column or Pilaster, which being divided into thirty equal Parts, three of them is for the Diameter.

When the Columns or Pilasters are without Pedestals and to be placed on the outside, there ought to be one eighth of those Parts abovementioned allowed for the Current of the Projections

tions of the Cornices, *&c.* that is to say, that the Columns or Pilasters on the Outside without Pedestals, should be divided in the following Manner; and first for the *Tuscan*, the Height should be divided into eleven Parts and one Eighth, to do which, divide the whole Height into eighty-nine Parts, one of those Parts will be the one Eighth, for the Current of Water as above; and this being taken from the Height where the Column, *&c.* is to stand, the Remainder must be divided into eleven Parts, and disposed of as directed in the Projection of the *Tuscan* Order, without a Pedestal for the Inside; that is to say, two of those Parts must be for the Entablature, and the other nine for the Column, which said nine Parts, being again divided by twenty-three, three of those Parts is for the Diameter. The *Tuscan* Column for the Outside without a Pedestal.

The *Dorick* Column, *&c.* or the Height wherein it is to stand, must be divided into eleven Parts and a Half and one Eighth, which is eleven Parts and five Eighths, and divides the whole Height into ninety-three Parts, one of which being taken from the Height where the Column or Pilaster is to stand, for the Current of Water, *&c.* as before, leaves the Remainder to be divided into eleven Parts and a Half, which is easily done, by dividing the double of the said Remainder by twenty-three, (the Number of half Parts, in eleven Parts and a Half) and the Quotient will be exactly the eleventh Part; that is, as exactly as can be divided by Figures, two of which is for the Entablature, the other nine Parts and a Half may be divided by twenty-five (as before directed in the *Dorick* Column without a Pedestal for the Inside) and three of those Parts will be for the Diameter, as is seen by Inspection in the Margin, both Geometrically and Arithmetically where the Height is supposed to be fifteen Feet, reduced to the lowest Denomination before it is divided, which makes the Division of the Parts or Fractions of the Inches very easy; and this will likewise shew how easily not only the Height of this Entablature and Column with its Diameter may be obtained, but also of all the others. The *Dorick* Column for the Outside without a Pedestal.




```
   Feet                                  11 Parts 5
   15 the Height                          8       8
   12                                    93 Parts
   180 Inches
   12
   2160 Parts of Inches
   12
   25920 Seconds
93)25920  (12)278
   186     12)23  2
   732      12)1  11 2
   651          0  1 11 2 for the Current of
   810                    Water
   744
    66
   Feet
   15  0  0  0 the Height
    0  1 11  2 Current, &c.
   14 10  0 10 Remainder
   12
   178 Inches
   12
   2136 Parts of Inches
   12
  )25642 Seconds
       2
23) 51284 (double of the Remainder divided by 23
    46    (12) 2229
    52      12) 185  9
    46       12) 15  5  9
    68        12) 1  3  5  9   the 11th Part
    46                     2
   224            2  6 11  6   Entablature
   207
    17
25) 21184 (12) 847                14 10  0 10 Remain.
    200     12) 70  7              2  6 11  6 Entabla.
    118      12) 5 10  7          12  3  1  4
    100         0  5 10  7   147
    184                  3  1765
    175         1  5  7  9  21184
      9         Diameter
```

The *Ionick* or the Height where the *Ionick* is to stand, must be divided into twelve Parts and one Eighth, which will be the ninety-seventh Part of the whole Height; this being taken from the whole Height, and the Remainder divided into twelve Parts, two of those Parts will be the Entablature, and the other ten being divided into twenty-seven Parts as above, three of those Parts will be the Diameter. The *Ionick* Column for the Outside without a Pedestal.

The *Corinthian* Column or Pilasters on the Outside, or the Height where they are to stand, must be divided into twelve Parts and a Quarter and one Eighth, which is twelve Parts and three Eighths, and divides the whole Height into ninety-nine Parts, one of which being taken from the Height, the Remainder must be divided into twelve Parts and one Quarter, which may easily be done by multiplying the said Remainder by four, and dividing by forty-nine, and the Quotient will be one of the twelve Parts, *&c.* two of which is for the Entablature, and the other ten Parts and one Quarter being divided into twenty-nine equal Parts, three of them will be the Diameter. Lastly, The *Corinthian* Column for the Outside without a Pedestal.

The *Composite* Columns or Pilasters on the Outside may be divided into twelve Parts and a Half and one Eighth, or into twelve Parts five Eighths, which is the same Thing, and divides the whole Height into one hundred and one Parts, one of these Parts is the one Eighth allowed for the Current of the Cornices, *&c.* which must be taken from the whole Height, and the Remainder divided into twelve Parts and a Half, which is done by dividing twice the said Remainder into twenty-five Parts, two of those Parts being for the Entablature, the remaining ten Parts and a Half must be divided into thirty equal Parts, and three of them will be the Diameter. The *Composite* Column for the Outside without a Pedestal.

I have been very explicite (tho' I hope not tedious) in the Directions above, relating to the several Heights of the Entablatures, *&c.* because a small Matter not well understood, often discourages the Practitioner from proceeding with that Pleasure and Satisfaction I most heartily wish him to have, in the Study of this fine and most noble Art (which comprehends many others unnecessary to mention here) but if in the Course of this Work, any such Thing should happen,

happen, so as not to be well understood by the Learner (which I shall endeavour to avoid as much as it is possible) let not this discourage our young Practitioner, but let him remember the old Proverb, *that a faint Heart never won a fair Lady* (which I hope will meet with a favourable Construction) and also to take the Advice of that great Master in Designing and Perspective *Andrea Pozzo*; which is, to begin his Work chearfully, with a Resolution to draw all the Lines thereof to the true Point, the Glory of God, and I durst promise him good Success in so honourable an Undertaking.

What has been said in Relation to Entablatures, *&c.* for Columns or Pilasters without Pedestals, has been only in Relation to the several grand Divisions of the several Orders, *&c.* we should now come to the smaller Divisions of the Entablatures, and also to the particular Members of each Division, which would be endless to describe in Words, further than to acquaint the kind and generous Reader that the Measures abovementioned will, of Necessity, make such Alterations in the several Members of the Entablatures and Diameters, *&c.* of Columns that have no Pedestals, that they will not suit any of the Distances mentioned by *Vitruvius*, which is very often required, as well as other Distances that Necessity or Choice leads one to.

For which Reason, in the following Plates, I have fixed the Measures of those Entablatures for Columns or Pilasters without Pedestals, when the Pilasters have the same Diminution as the Columns, so as to suit the said celebrated Distances, notwithstanding some of those Distances were not much approved by the Ancients on Account of the Inconvenience of walking between the Columns, there being many Occasions of using Columns in Places where there cannot be any walking at all.

I shall also in the Course of this Work, point out such Methods of suiting Entablatures to any Distances required, either by the Architect, or in Cases of Necessity in adorning old Buildings, *&c.* as well for Columns or Pilasters with Pedestals as without, as will bring this particular Branch of Architecture to the Perfection proposed at first, which I even despaired of doing, on Account of the many and almost insuperable Difficulties I have met with in the Performance.

The *Tuscan* Column, *&c.* with the Pedestal both for Inside and Outside Works.

It is now Time to speak of the grand Proportions of Columns or Pilasters with Pedestals, either for the Inside or Outside of Buildings, which are as follows; and first the Height of the *Tuscan* in which the Column or Pilaster is to stand, may be divided into thirty-five Parts and a Half for outside Works, and thirty-five Parts only for the Inside, six of them is for the Pedestal with its Base and Capital, twenty-three for the Column or Pilaster with its Base and Capital, and six for the Entablature; and for outside Works the half Part must be divided between the Capital of the Pedestal, the Architrave, and Cornice, for the Current of Water as abovementioned, for as to the Current of the Capital of the Column, that should also be wrought so as to carry off the Water, but then what is allowed for that, must be added to the Capital more than its proper Dimension, because it rises against the Architrave, but in such small Proportion, that it cannot be seen, as is more particularly explained in the Plates 28, 29, 30, *&c.*

The *Dorick* with the Pedestal both for Inside and Outside Works.

The Height in which the *Dorick* Column or Pilaster is to stand for the Inside, may be divided into thirty-eight Parts, seven for the Pedestal with its Base and Capital, twenty-five for the Column including its Base and Capital, and six for the Entablature and for the outside Work of the same Order, the Height may be divided into thirty-eight Parts and a Half, the half Part being for the Current of Water, *&c.*

The *Ionick* Column, *&c.* with the Pedestal both for Inside and Outside Works.

The *Ionick* Column or Pilaster may be divided into forty-one Parts and one Quarter for the Inside, eight being for the Pedestal with its Base and Capital, twenty-seven for the Column or Pilaster with its Base and Capital, and six and one Quarter for the Entablature, and for the Outside the Height must be divided into forty one Parts and three Quarters, and if forty-one Parts and a Quarter the Height of the Column, *&c.* is taken from it, the remaining half Part will be for the Current of the Projections, *&c.*

The *Corinthian* with the Pedestal both for Inside and Outside Works.

The *Corinthian* Column or Pilaster may be divided into forty-four Parts and a Half for the Inside, nine being for the Pedestal, incuding its Base and Capital, twenty-nine for the Column or Pilaster, including also its Base and Capital, and six and a Half for the Entablature, and for the outside Work of the same Order, the Height must be divided in forty-five Parts, the half Part more than is in the Column or Pilaster with its Entablature for the Inside, *&c.* as above, being for the Current of Water, *&c.* And Lastly,

The *Composite* with the Pedestal both for Inside and Outside Works.

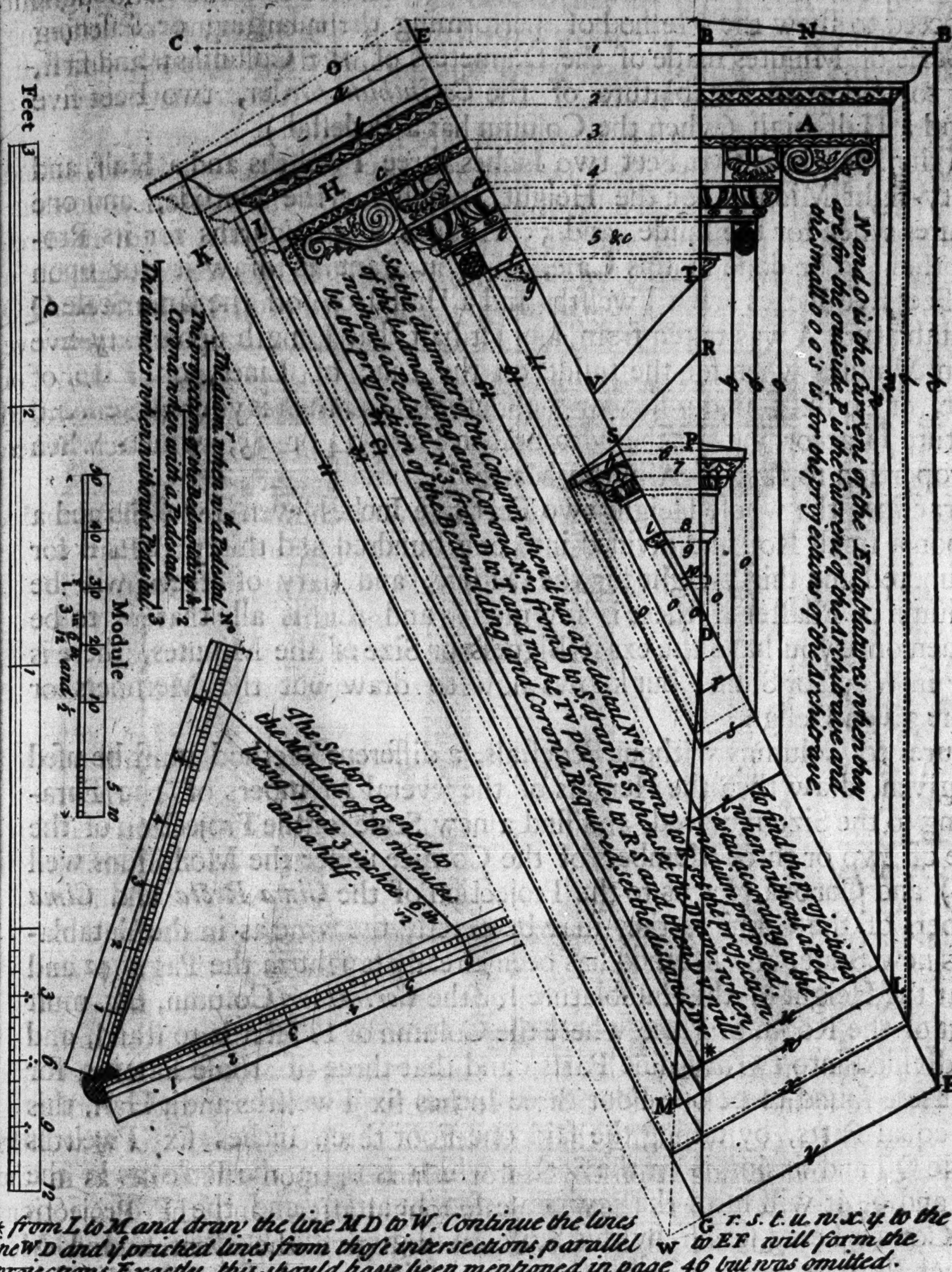
The *Roman* or *Composite* Column or Pilaster may be divided into forty-six Parts and a Half for the Inside, and forty-seven for the Outside, ten being for the Pedestal including its Base and Capital, and six and a half for the Entablature, the remaining half Part being for the Uses already mentioned, and it must always be remembered that three of the above Parts is for the Diameter in all the Orders.

I should now describe the particular Parts of each Division of each Order, but that is already so well explained in the Plates 28, 29, 30, 31, 32, *&c.* and made to suit the several Distances before spoken of, that it will be unnecessary to say any thing more about it here.

From all the foregoing Particulars, I hope every one who has gone thus far with me, will with a very little Application soon be Masters of this most difficult Part in Architecture; but least there should be any thing wanting to satisfy even the most Curious, the following Geometrical Method will be very easy and exact in enlarging the Entablatures of all the Orders, to any Dimension or Size required, and also to suit the several Distances observed by *Vitruvius*, *&c.* as well when the Entablature is for Columns, *&c.* with Pedestals as when without, which is what is so much wanted and was never done before, that I know of, or at least never published by any Author.

First

First draw out the Entablature of the Order you fix on, according to the Proportions it has when the Column or Pilaster stands upon a Pedestal, and if any particular Distance or Distances is required for the Columns or Pilasters to stand, such Entablatures as will suit those Distances must be made use of, and as we have chose the *Corinthian* * to explain the different Heights of Entablatures, it will not be improper to fix on the Sort which may be Eustyle, and Diastyle; the Entablature A being drawn as in the Margin, according to the fixed Measures of Eustyle, and Diastyle in Plate 34, *&c.* continue the Lines BB to C at pleasure, and by the same Scale as you drew out the Entablature A, take the new or given Height of the Entablature to be enlarged as before spoken of in Page 42, which is two Feet five Inches seven Twelfths and a Half, and set it from D till it intersects the Line BBC in E, then draw the Lines 1, 2, 3, 4, 5, *&c.* parallel to the Line BE, draw also the Lines 6, 7, 8, 9, 10, *&c.* and at right Angles from DE draw the Lines *a b c d e f g h i*, &c. which will form the Height of the several Members of the Entablature in exact Proportion to the first at A. Continue the Line ED to F, and also the Line BD to G, then let fall the Perpendiculars *k l m n o p q*, from the Cornice A to the Line DF, and draw the Lines *r s t u w x y* to the Line DG at right Angles to DF, lastly draw the Lines 11, 12, 13, 14, 15, 16, 17 parallel to the Line EDF, and where they intersect the Lines *a b c d e f g h i*, &c. there the Projections will be in exact Proportion to the first Entablature A.



But when the Entablature is for the Columns, *&c.* without Pedestals in the same Height, the Diameters will always be larger than those with Pedestals, and in this Case the middle of the Dentel, will not answer exactly to the Center of the Column, neither will the Space between the Modillions be exactly square, altho' in either of these Cases, several Examples in the Remains of Antiquity are to be found; but for those who would be more exact, and would make the Entablature answer all the difficult Cases, both as to the Dentels, and Spaces between the Modillions, as well when the Entablature runs straight, as when it breaks forward over the Columns in that Manner *Vitruvius* calls *Scamilli impares*, and also to suit the Distances proposed, there will be a Necessity of enlarging the Projection of the Bedmolding, Modillions, and Corona, to make the Middle of the Dentel stand exactly over the Center of the Column, and to make the Spaces between the Modillions as much more as the Difference is between the Projection in Minutes of the Scale, to the small Diameter, and the Projection in Minutes, according to the largest Scale; that is, if the Projection of the Bedmolding is 18 Minutes, and the Modillion, and Corona, in the Entablature A, is 26

* Page 42.

Minutes ¼, according to the Scale of Minutes when the Column stands upon a Pedestal; so the Projection of the Bedmolding; the Modillions, and Corona in the Entablature HIK must be 18 Minutes, and 26 Minutes ¼ according to the Scale of Minutes made from the Diameter of the Column when it stands without a Pedestal, so that the Entablature HIK will project something more than the exact Proportion of the Entablature A, and the Reason of this is, because the Entablature HIK cannot be (according to the proposed Medium) of the same Number of Minutes, or which is the same Thing, cannot be in the same Proportion to the Column without a Pedestal, as the Entablature A is to the Column with a Pedestal.

I might also have shewn the Geometrical Method of lessening Entablatures, *&c.* whenever required, but as the Method is in some Measure only the reverse of the former, I must leave that to the Practitioner, who will, by a due Attention to this, be soon Master of the other: But that I may not omit any Thing material which will be of Service to those who delight in this Study, I shall proceed to shew the Method of performing the enlarging or lessening of Entablatures by the Scale of Minutes made of the Diameters of the Columns; and first, suppose it was required to make an Entablature of the *Corinthian* Order, two Feet five Inches seven Twelfths and a Half high (when the Column has a Pedestal)

The Entablature A in the Margin is two Feet two Inches three Twelfths and a Half, and has one hundred and thirty-eight Minutes for the Height, when for the Outside, and one hundred and thirty Minutes when for the Inside, and 55 Minutes three Fourths for its Projection: Now there is nothing to be done in this Case, if you want to draw it out upon Paper, but to take two Feet five Inches seven Twelfths and a Half from off the same Scale Q in the Margin, as the Entablature A was taken from, and set half that Length upon sixty-five the half of the Height in Minutes when for the Inside on the Line of Lines, or Line of equal Parts on the Sector, or on sixty-nine when for the Outside, and then is your Scale fitted to draw out the Entablature H according to the Measures in Plate 34 or 35, which when done will be in exact Proportion to that of A in the Margin.

But if it is for real Practice, the whole Height two Feet five Inches seven Twelfths and a Half, may be mark'd upon a small Rod and divided into one hundred and thirty Parts if for the Inside, or into one hundred and thirty-eight for the Outside, and sixty of them will be the Diameter of the Column or Pilaster if there is any used; and this is all that is to be done in this Case, for when once you have the exact Bigness or Size of the Minutes, there is scarce a Workman either in Wood or Stone, but knows how to draw out the Members or Moldings according to the given Design.

Now for the Entablatures to Columns without Pedestals, a different Method must be used for the Reasons already given, draw then the Heights of the several Members of the Entablature as before according to the Size required, and find a new Scale for the Projection of the Bedmolding, (the Name of two or three Members of the Cornice under the Modillions well known to our Workmen) and Corona, for as to the Projection of the *Cima Recta* and *Cima Reversa* the upper Members of the Cornice, they may be exactly the same as in the Entablature H; now to find this new Scale, the Method has been already taught in the Pages 42 and 43, where it is said, that the Height of the Entablature for the *Corinthian* Column, *&c.* must be taken from the Height of the Room or Place where the Column or Pilaster is to stand, and the Remainder must be divided into twenty-nine Parts, and that three of those Parts is for the Diameter, which is there found to be one Foot three Inches six Twelfths and a Half, this being divided into sixty equal Parts, by taking the said one Foot three Inches six Twelfths and a Half from the Scale Q, and setting it on the Sector which is upon the Rule as in the Margin on the Points 6 and 6, it will form the new Scale sought after; and the Projections of the Bedmolding and Corona being set off by this Scale, will give the Dentels and Modillions, *&c.* in such exact Proportion, as will suit the several Distances chosen, which in this Case was the Eustyle and Diastyle, notwithstanding the Difference of the Diameters of Columns when with a Pedestal or when without one.

The Method of lessening Entablatures by the Scale of Minutes is no more than making the Scale Q smaller according to the given Height, and is so very obvious to every intelligent Reader, that it would be superfluous to describe it in Words; only for the Entablature of Columns, *&c.* without Pedestals, it must always be remembred that the Projections are different from the Entablatures of Columns, *&c.* with Pedestals, as has been already mentioned, and that the Projections of the Bedmolding and Corona must be taken off from the Scale of Minutes when altered, according to the Method above, of enlarging Entablatures. But what will greatly facilitate this Work will be, to make the Measures or Minutes of the several Members of the Entablatures for Columns without Pedestals, of the same Size and Proportion as the Minutes are for the Diameters of the Columns when without a Pedestal; which are set down in the Plates 39, 40, 41, *&c.* which I think together with what has been said before, accomplishes this Proposition of enlarging or lessening the Entablatures, and is what has taken me up more Time and Trouble than I at first imagined, and what I am afraid has been a little too tedious, though absolutely necessary to have a thorough Knowledge of.

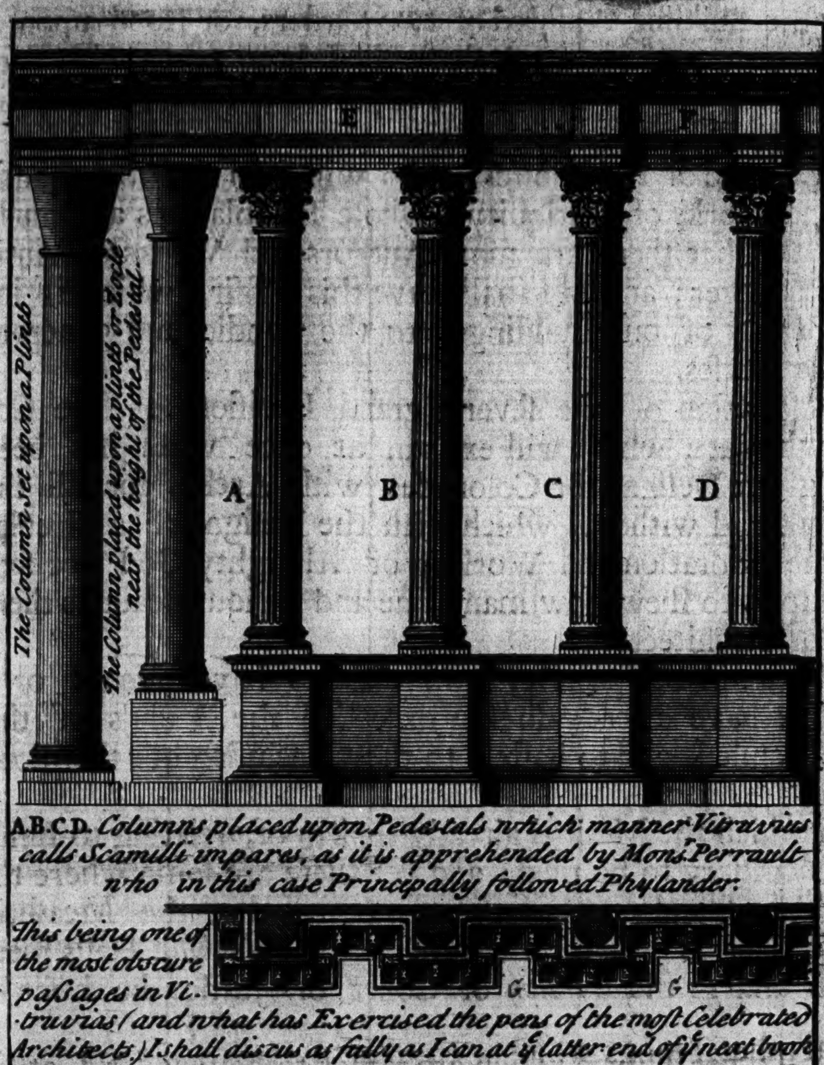
The Rules abovementioned are exactly true, and will always be the same for all Sorts of Entablatures which are first fixed to any Sort of Distances whatever, the Method of doing which, is what I have already hinted at, and will come in its due Place; but first I must beg leave to desire our young Architects, not to be too busy or over hasty in placing their

Columns

Columns or Pilasters, in Places where there is no Occasion either for Solidity, or Strength, or Beauty, which is too often done, either through depravity of Taste or Ignorance of some Workmen, who no sooner having executed a Piece of Work, according to some good Design of an Architect, and begin to have some Knowledge of the Orders of Columns, *&c.* but immediately fancy themselves to be the Authors of the Work, and capable of designing any Sort of Building whatever.

I speak not this of all Workmen in general, for some I know there are who have great Knowledge and Skill in Building, and have withal a great deal of Modesty; but I speak only of those bold and ignorant Pretenders, who have no real, nor true Knowledge in Architecture, nor even of their own Trades, whereof they make Profession; and I could here be content to forgive these unthinking People, if what I have now said would give a Check to their Presumption, and that before they set themselves up for Architects, (in Opposition to those who really are so, which is very often the Case in Building) they would produce something of their own Drawing and Designing, worthy the Esteem of those who are proper Judges.

But to proceed, we must also be careful not to place our Columns or Pilasters either for the Inside or Outside Work, at too great and unreasonable Distances, but at such only where there is a semblance of Strength and Reason for their being placed there, which will add very much to the Beauty and Elegancy of our Designs: For although we have obtained the Method of suiting the Entablatures to any Distance whatever, yet if we run into Licentiousness, we shall never gain any great Reputation for our Skill in Architecture.



A.B.C.D. *Columns placed upon Pedestals which manner Vitruvius calls Scamilli impares, as it is apprehended by Mons.r Perrault who in this case Principally followed Phylander.*

This being one of the most obscure passages in Vitruvius (and what has Exercised the pens of the most Celebrated Architects,) I shall discus as fully as I can at ye latter end of ye next book.

There is one Thing I had almost forgot, and that is, the setting of the Columns upon a Plinth, as in the Margin, instead of a Pedestal, and not upon the Floor as they are sometimes; in this Case the Height of the Entablature of Columns without Pedestals, should be calculated from the Height there is from the Top of the said Plinth to the Top of the Entablature, unless the said Plinth is made near the Height of the Pedestal on some particular Account (for otherwise it should never be done) and in that Case it may be reckoned as a Pedestal, and the Height taken from the Floor, *&c.* as was before directed in the Case of Columns with Pedestals; but in this as in many other Things the Discretion of the Architect must be used.

The Divisions of the several Parts of a Column or Pilaster as already mentioned and explained in the several foregoing Plates, are what I take to be very good Proportions, having searched into all the Remainders of the Works of ancient *Greece* and *Rome*, as well as those of the Moderns for the last Century, in Order to make the most perfect Models of the Orders of Columns, *&c.* which is however with great Humility submitted to the learned and judicious Architect, who will soon perceive in what I have differ'd from other Authors.

But although this is done (and I hope to very good Purpose) yet here I must beg leave to be understood, for I do not by these Alterations in the Entablatures, *&c.* pretend to establish or lay down new Rules to the Orders of Columns, *&c.* as mentioned in the Preface: For what I have done in this Respect, has been only to gain the Liberty of giving the Columns or Pilasters such proper Intercolumnations or Distances as may render them Beautiful and Useful; all other Alterations consequential thereto being as nothing in respect of any new Rule: For all the Orders have the same Divisions they have had for many Ages; that is, they are divided into three Parts, one for the Pedestal, one for the Column, and one for the Entablature; the Pedestal being again divided into three Parts, one for the Base, another for the Dado or Dye of the Pedestal, and the other for the Cimasium or Capital: The Column is also again divided into three Parts, one for the Base, the other for the Body or Shaft, and the other for the Capital; so likewise the Entablature is divided into three Parts, one for the Architrave, one for the Freese, and the other for the Cornice.

These

These are what I meant by the Rules so well established as not to admit of any Variation, for as to the small Alterations made in the Cornices, *&c.* it is no more than what is absolutely necessary; and if Comparisons are allow'd from Architecture to that of human Species, (which is frequently done by *Vitruvius* and other celebrated Authors) we shall find it to be the same as a fine proportioned Man or Woman a little differently dress'd according to the several Occasions in Life, where the fine Proportions of the Man or Woman still subsist. So it is with the Columns, *&c.* for the fine Proportions of the principal Parts remain, although a little differently accommodated to the several Designs of private and publick Buildings.

One of these Alterations, if it may be so called, is in the *Corinthian* and *Composite* Entablatures which I have made ten Minutes higher than some Authors have done, on Account of their being so much elevated above the other Orders when the Columns are placed one upon the other, as is done with very good Judgment by several Authors, notwithstanding what is said to the contrary by some others; for it is evident to Sense and Reason, that the higher the Cornice or upper Moldings are placed in a Building, the larger they should be, otherwise they would look mean and trifling. There is nothing, that I know of, that seems to contradict this Doctrine but the *Attick* Story, (which is composed of small Pilasters, over the Order of Columns or Pilasters, *&c.* but it is in Comparison of the ancient Buildings, no more than a modern Invention) and when the whole Building consists of one intire Order of Columns without an *Attick* over it; for as to the Cornice of the *Attick*, if it did not bear some Proportion to the smallness of the Pilasters, it would appear very ridiculous; and as for the Entablature when it consists of one Order of Columns or Pilasters (although it is in that Case much larger than it would be if the Building consisted of two Orders, or stood upon a grand Rustick Basement, *&c.*) yet whoever considers it nicely, will I hope agree with me, that it is much better to have an Entablature of a handsome Proportion, than one that is too large or too little for the Height where it stands.

This however is submitted to the Censure of the Publick, who will soon find by examining, that there are several Authors and Works of Antiquity, whose Entablatures are much less than the above Proportions, and also that there are more Authors and Works of Antiquity of great Repute, which are much larger; and so I shall leave this Affair, which is indeed of Moment, in respect of the Beauty of our Buildings, to the candid and generous Reader, to put in Practice or not as he pleases.

The following Plates, *&c.* are a Description of the several grand Divisions of the Columns, *&c.* both with Pedestals and without; which will explain at once what has been treated of in this Book. I have also given Designs for Colonades with Arches for all the Orders of Columns both with Pedestals and without, which with the Design of a circular Church or Temple in Plate 27, for the Adoration and Worship of Almighty God not spoken of before, will be sufficient Examples to shew how many fine and various Beauties there are, and may be found in the Study of Architecture.

I once designed to have put this Church in Perspective, and also to have given 3 or 4 Plates in large of the same Design, but have already so far exceeded the Bounds of this Chapter, that I must beg leave to be excused, and to hasten to the Conclusion of this Book as fast as possible, and to observe,

That there are but few Designs in which the Method already spoken of, relating to Inside and Outside Works, but what will be necessary to be used; and yet there are some where the Inside and Outside Works have such Correspondence one with the other, that the Measures of the Outside and Inside are exactly alike, as may be observed in the *Corinthian* Halls mentioned by *Vitruvius*, *Cap.* 5. *Lib.* VI. and in the *Basilick* or Court of Justice he built at *Fano*.

I might now proceed to shew several other Things which are rather to be wonder'd at in several Authors than approved; but I shall decline that invidious Task, and conclude this Chapter, which finishes the 2d Book, with one Remark; which is, that *Palladio*, *Lib.* I. *Cap.* 18. makes the Pedestal of the *Composite* or *Roman* Order, higher than in any of the other Orders, and gives this Reason for it, that it should be so, because that Column is slenderer than the others; and yet he has not observed this Method in the *Corinthian* Pedestal, which is shorter by nine Minutes and above three Fourths than the *Ionick* Pedestal, according to the *Italian* Edition of 1570, and twenty-four Minutes and above one Sixth according to the late Edition of Mr. *James Leoni*, although the *Corinthian* Column is always slenderer than the *Ionick*, which I think is a Demonstration that, in many Things, we may without Censure deviate from those celebrated Authors, provided it be done with mature Consideration and Judgment.

BOOK

[illegible]

MENSURATION

OF

Superficies and Solids,

BY

TABLES of FEET, INCHES, and PARTS;

CHIEFLY

Applied to the ſeveral Artificers Works in Building, but may be uſed on other Occaſions; ſuch as GAUGING, *&c.*

By *THOMAS ROWLAND* of *New-Windſor.*

LONDON: Printed by A. PARKER,

And ſold by the AUTHOR at *Windſor*; J. COLE, Engraver, at the *Crown* in *Great-Kirby-Street*, *Hatton-Garden*; and by moſt of the Bookſellers of *London* and *Weſtminſter*, and other Parts of *Great-Britain.*

(Price Six-pence.)

THE

PREFACE.

THESE *Tables being designed to be added to a general Treatise of Architecture now publishing, may notwithstanding be used separately by Measurers and others concerned in Building, it has therefore been thought proper to publish them before the Book above mention'd, there being a sufficient Number reserved to be added to the Book when published; it is therefore hoped that the Usefulness and Universality of these Tables (there being none like them ever yet calculated that I know of) will be their Recommendation, and excite both Gentlemen and Artificers to encourage not only this Work, but that abovemention'd, which it is presumed will be more useful than any thing of the kind hitherto made publick, at least in our own Language, especially since these Tables will serve in all Countries alike, where their Foot is divided into twelve Parts,* &c. *I am humbly of opinion to say much more in Recommendation of them will be unnecessary, except that I may safely venture to affirm, that when any Person is a little used to them, he may find the Contents of* 3 *or* 4 *Dimensions (taking the whole Measurement together) sooner than most People can work or square one by their Pen. I am therefore in great Hopes, that all sorts of Persons, of all Countries, as well as our own, who are used to Measuring and Building,* &c. *will find much of their Time and Labour saved; and that if any should despise them in the Working or Squaring their Dimensions, yet the Satisfaction they will find afterwards in proving their Work by the Tables, will be to them a sufficient Compensation for the Purchasing of them.*

To

To the READER.

NOtwithstanding what has been said in the Preface, I find myself obliged to mention, that the Mensuration of the superficial and solid Contents of some of the Bodies in Plate 23 (altho' the said Plate belongs to the Book mention'd in the Preface) will be sufficient for instructing any Person to find the Dimensions in the Tables, &c. *which is chiefly aimed at in this Work; however, for the sake of those who are not well acquainted with measuring Artificers Works, I have drawn up a short Specimen of each, only desiring the Practitioner to observe when he cannot find any of the Dimensions exactly in the Tables, that he would divide them by* 2, 3, 4, 5 *or* 6, &c. *as there is Occasion to bring them within the Compass of the Tables, and then the Contents found in the Tables, multiplied by those Numbers again, will be exact enough for Business of any sort; but this will seldom happen, for in a whole Day's Measurement, there sometimes may not be above* 20 *or* 30 *Dimensions to be divided in that Manner, which is nothing in comparison of the remaining Part of the Day's Work; and again, if it should be necessary to divide both the Dimensions, that is, the Length and Breadth of any thing, you must multiply the Contents by the Square of the Number you divide by; as for Example suppose you divide by* 2, *then the Contents found in the Tables must be multiplied either by* 2 *twice, or by the Square of that Number,* viz. 4, *and if they had been divided by* 3, *the Contents must have been multiplied either by* 3 *twice, or by* 9, *which is the Square of* 3, *which with a little Practice will become very easy. All that I shall trouble the kind and generous Reader further with, on this Occasion, is to desire him not to disuse the Tables at the first or second Trial of them, whenever he meets with any little Difficulty, but to be constant in the Use of them for* 5 *or* 6 *Measurements, and then I will venture to assure him that he will find the Benefit and Advantage of the Tables; which that he may do, and that God would be pleased to prosper all his honest Endeavours, is the sincere and hearty Wish of,*

Most courteous Reader,

Windsor, *April* 10, 1739. Your most humble and

Most obedient Servant,

THOMAS ROWLAND.

The Use of the TABLES.

CHAP. I.

Containing the Use of the Tables in measuring of Superficies.

EXAMPLE I.

To find the superficial Content of the square Pyramid ABCD, *with its Base* HI, *in Plate* 23.

First set down the Dimensions as you would do in a Book of Measurement, as follows:

Ft.	In.	Pts.					Ft.	In.	Pts.			
4)5	6	2	31	2	0	the four Sides of the Base.	2)16	8	3	Foot 203	In. $2\frac{1}{4}$	the four Sides of the Pyramid.
1	5	0					5	0	0			
4)5	3	1	5	4	3	the four Offsets or Top of the Base.						
	3	1										

Then look in the Tables for the first Dimension 5 Foot, 6 Inches, 2 Parts, by 1 Foot 5 Inches four times, *viz.* at the Top of Page 28, for 1 Foot 5 Inches, and in the Index or first Column on the Left-hand downwards for 5 Foot, 6 Inches, 2 Parts, but the Parts being less than $\frac{1}{4}$ of an Inch need not be regarded, therefore opposite to 5 Foot 6 Inches, and under 1 Foot 5 Inches you will find 7 Foot 9 Inches and a $\frac{1}{2}$, then as that Dimension is four times, to save the multiplying by 4, you may in Page 38 find 7 Foot 9 Inches and a $\frac{1}{2}$ in the first Column or Index, and opposite thereto and underneath 4 Foot, you will find 31 Foot 2 Inches, which is the Product of 5 Foot 6 Inches by 1 Foot 5 Inches four times; now to those who are more expert in squaring Dimensions, it would have been more easy to have multiplied the lesser Sum 1 Foot 5 Inches by 4 in your Mind, which makes 5 Foot 8 Inches, and this being sought for at once in the Tables, will be found in the Index of the Table of the lower Part of Page 41, and opposite thereto and underneath 5 Foot 6 Inches, at the Top is 31 Foot 2 Inches as before for the Contents: We will now, according to this last Method, proceed with the other Dimensions, *viz.* 5 Foot, 3 Inches, 1 Part, by 3 Inches 1 Part four times, multiply the 3 Inches and $\frac{1}{12}$ in your Mind by 4, it produces 1 Foot 4 Parts, which being very near 1 Foot and $\frac{1}{4}$ of an Inch, look for 1 Foot $\frac{1}{4}$ at the Top of the Table of Page 23, and opposite to 5 Foot 3 Inches in the Index, is found 5 Foot, 4 Inches, 3 Parts, and $\frac{9}{12}$ths of a Part, which being set down as above, you may proceed to the third Dimension of 16 Foot, 8 Inches, 3 Parts, by 5 Foot two times, where at first Sight you may perceive that 16 Foot, 8 Inches, 3 Parts, is more than is contained in the engraved Tables, which do not exceed 12 Foot 6 Inches, therefore halve that Sum, which makes 8 Foot, 4 Inches, and $\frac{1}{12}$, and $\frac{1}{2}$; but those minute Parts we shall lay aside, and look for 8 Foot 4 Inches in the Index of Page 40, opposite to which and underneath 5 Foot, will be found 41 Foot 8 Inches; that being doubled or multiplied by 2, because you divided by 2, produces 83 Foot 4 Inches, which being multiplied again by 2 for the Sides of the Pyramid, makes 166 Foot 8 Inches, to which if you add the other Sums, it will make 203 Foot 2 Inches and $\frac{1}{4}$, whereas in truth it should be 203 Foot, 5 Inches, 3 Parts, 4 Seconds, and 4 Thirds, which Difference is so small, that it is never regarded by the Workmen; and as this is occasioned by the Parts being less than $\frac{1}{4}$ of an Inch, so if when the Parts are $\frac{2}{12}$ths, you call it $\frac{1}{4}$ of an Inch, and likewise if when the Parts are $\frac{5}{12}$ths, you call it half an Inch; and lastly, when the Parts are $\frac{8}{12}$ths, you will call it $\frac{3}{4}$ths of an Inch, it will ballance the Loss of Parts under $\frac{2}{12}$ths, $\frac{5}{12}$ths and $\frac{8}{12}$ths; but this indeed is a meer Nicety, which neither the Master nor Workmen need ever give themselves any Sort of Trouble about, and is what I would not have mention'd but for the Satisfaction of the Curious.

EXAMPLE II.

To find the superficial Content of a Boarded-floor or Roof, &c. *whose Dimensions are* 20 *Foot* 6 *Inches by* 15 *Foot* 6 *Inches.*

First set down the Dimensions 20 Foot 6 Inches by 15 Foot 6 Inches, then halve them thus, saying, the half of 20 Foot 6 Inches is 10 Foot 3 Inches, and the half of 15 Foot 6 Inches is 7 Foot 9 Inches, then look in the Tables at the Top of Page 45, for 7 Foot 9 Inches, and in the Index or first Column for 10 Foot 3 Inches, opposite to which and under 7 Foot 9 Inches, you will find 79 Foot 5 Inches, which multiplied by 2 twice, or by the Square of two, which is 4, because both the Dimensions were divided by 2, makes the Sum 317 Foot 8 Inches, which in truth should have been 317 9 Inches, but the Difference of one Inch in so large a Quantity is

not minded by the Workmen, nor indeed any of the Inches in the Totals or Contents, unless a great many Dimensions are to be added together, and then the Inches being added makes Feet; but in the above Dimension, when made into a Bill or Estimate, *&c.* it is only called 3 Square 17 Foot, without any regard had to the Inches at all, and this I believe will be sufficient to account for any minute Difference in any Example hereafter mentioned, so that I shall not have Occasion to say the same Thing over again.

EXAMPLE III.

To find the superficial Content of a Room of 15 Foot 6 Inches by 12 Foot 4 Inches and a $\frac{1}{2}$*, and 12 Foot 6 Inches high in Girt, either for Wainscotting or Painting,* &c. *and also to know the Number of Yards in the said Wainscotting or Painting,* &c.

First find the Girt of the Sides of the Room, which may be done by adding all the Sides together, which will make 55 Foot 9 Inches, and this being multiplied by the Girt of the Height 12 Foot 6 Inches, by looking in the Tables at the Top of Page 47, for 9 Foot, 3 Inches, 6 Parts, the $\frac{1}{6}$th of 55 Foot 9 Inches, where opposite to 12 Foot 6 Inches in the Index, and underneath 9 Foot, 3 Inches, 6 Parts, is found 116 Foot 2 Inches; this being multiplied by 6 makes 679 Feet; now to bring this into Yards, no more is to be done, but to divide 679 Feet by 9 (which I suppose every one able to do) and the Quotient will be 77 Yards 4 Foot.

Conclusion of the first Chapter.

It would be endless to enumerate the Examples for small Dimensions, such as Boards, Glass, Doors, Window-shutters, *&c.* which are seen at once by Inspection with the greatest Ease imaginable; I have therefore chose the most difficult, that the Practitioner might not be discouraged. It remains for me to obviate an Objection that may possibly be made to the Tables, and to shew with what Ease, and to how great a Length they may be carried by any Person a little conversant in Measuring; and first it may possibly be objected, that there is in some of the Dimensions some very minute Parts more than the exact Truth, but in others there is also some minute Parts less, the Reason of which is, that it would have been infinite Trouble to have set down all the remote Parts, and have made the Work so expensive, that no one could have had it with Advantage; and indeed it is the Practice of all Measurers to call 3 Foot, 6 Inches, 9 Parts, 3 Foot 7 Inches, and for 4 Foot 7 Inches, and 7 Parts, or 4 Foot 7 Inches, and 11 Parts, 4 Foot 8 Inches, which shortens the Work very much, and is as near the Truth as can be desired, for I have tried in very large Measurements where the Contents have been set down as above, and also according to the exact Measure, and have found not above 4 or 5 Inches, either more or less than the Truth, which in my humble Opinion is not to be regarded. But if, notwithstanding this, some should still be unsatisfied, the printed Sheet at the End of the Tables is according to the Truth, and will square any Dimension that can possibly happen in any Building with a very little Trouble; but now I am to shew to how great a Length the engraved Tables will answer, *viz.* to 22362 Feet, for suppose 149 Foot, 6 Inches and $\frac{1}{2}$, was to be multiplied by 149 Foot, 6 Inches and $\frac{1}{2}$, the common Way of such Multiplication is as in the Margin, but by the Tables there needs no more then to divide 149 Foot, 6 Inches and $\frac{1}{2}$ by 12, as for Example 12)149 6 6
12 5 6 6
the Quotient being 12 Foot, 5 Inches, 6 Parts and 6 Seconds, may be called 12 Foot, 5 Inches, 7 Parts, which being sought for in the Tables, the nearest that can be found is in the upper Part of the lower Table, Page 48, and is 12 Foot, 5 Inches and 6 Parts, under which, and opposite to 12 Foot, 5 Inches and 6 Parts in the Index is 155 Foot 3 Inches, which being multiplied by 12, and that Product again by 12 (because both the Dimensions were divided) produce 122356 Feet; but as this is 6 Feet some Inches short of the real Quantity, tho' I think it is no great Matter in such a large Number, yet to make it more exact, take the Contents of 12 Foot 6 Inches by 12 Foot 6 Inches, which is 156 Foot 3 Inches, and divide 1 Foot, or 12 Inches, the Difference of those two Sums by 12, which will give you one Inch, half this Inch added to 155 Foot 3 Inches, makes it 155 Foot, 3 Inches and a half; this being multiplied by 12, and that Product again by 12, produces 22362 Feet, which I think is near enough for the most Curious; and altho' this Description seems long and tedious, yet in Practice it is nothing for the Difference of the two Numbers, as also the Divisions of that Difference is done by Inspection only in the Tables, which a very

The common Way of multiplying Feet, Inches, &c.

149	6	6	
149	6	6	
1341			
596			
159			
74	6		
74	6		
	3		
6	2	6	
6	2	6	
		3	
		3	3
22362	8	6	3

By the Tables.

155	3	
	12	
1863	0	
	12	
22356	0	Total.

By the Tables the second Way.

	Foot	In.	Pts.		Foot	In.	Pts.		Foot	In.
Product of	12	5	6	by	12	5	6	is	155	3
Product of	12	6	0	by	12	6	0	is	156	3

The Difference divided by ———	12)001	0	
Makes 1 Inch, half of this — — —	0	1	
Ft. In.	Foot	In.	Pts.
Added to 155 3 makes ———	155	3	6
Which multiplied by 12 ———			12
makes ——— ———	1863	6	0
And this multiplied by 12 ———			12
again makes — ———	22362	0	0

a very little Practice will make easy; but these large Dimensions so seldom happen, that I hope it will not discourage any Persons from using this Method whenever they have Occasion. It remains now for me to speak of the Use of the printed Sheet at the End of the Tables, which I shall do in as few Words as possible; and first, in the working of large Dimensions, there is also a great Difficulty when the Dimensions consist of Feet, Inches and Parts, as in the Dimension in the Margin, where you must either divide the Feet by 12, to multiply by Inches, or else the Inches must be mutiplied by the Feet, and then divided by 12, and sometimes two Divisions must be made before the Product can be set down, which cannot be done without burthening the Memory too much, and is besides liable to many Mistakes, for when you are to multiply 139 Foot by 11 Inches, one of the Ways above-mentioned must be used, or what is still longer about, you must divide the 11 Inches into aliquot Parts, as 6 is one half, 4 is one third, and 1 is one twelfth, which is very tedious; all these Methods are set down in the Margin, where they may be seen by Inspection, to avoid which look in the first Column for 139 Foot, and opposite to it under 11 Inches, which is found at the Top of the Tables, you will find 127 Foot 5 Inches almost in an Instant, so likewise of any other by Feet and Inches; and as for the Parts multiplied by Feet, or Inches, look for the Number of Feet or Inches, &c. in the Index, and opposite thereto in the second Column, under 6 Parts, or ½ an Inch, you will find the Contents, for that Number of Feet or Inches multiplied by 6 Parts, or ½ an Inch, and therefore if you want to multiply by 3 Parts or ¼ of an Inch, half the said Sum is the Product, or if you multiply by 9 Parts or ¾ths of an Inch, half the Product added to the Product of 6 Parts, or ½ an Inch, is the Contents; and this I hope is so plain, that no one can miss it, for if you look in the second Column opposite to 139 Foot, you will find 5 Foot, 9 Inches, 6 Parts, the half of which is 2 Foot, 10 Inches, 9 Parts; this being added to the other, makes the Content 8 Foot, 8 Inches, 3 Parts, for 139 Foot by 9 Parts, as above in the Margin; and if it had been 139 Foot by 3 Parts, or ¼ of an Inch, then the 2 Foot, 10 Inches, 9 Parts, had been the Contents; and as for the Multiplication of Parts by Parts, I have omitted it, they being never regarded by the Workmen; but if any should have the Curiosity to set them down, they must be multiplied together, and divided by 12 as above. Where 9 Parts is to be multiplied by 3, which makes 27, that divided by 12, makes 2 Primes and 3 Seconds, for the Primes must always be in the third place, from the Feet and the Seconds in the fourth, as above.

Foot In. Pts.
132 8 3
35 11 9
695
417
28 6
127 5
7 4
8 9
8 8 3
6
2 9
2 3
5031 0 0 11 3

12)139 Feet by 11 Inches.
11 7
11
127 5

139 0 Feet by 11 Inches.
11
139
139
12)1529
127 5

35 Foot by 8 Inches.
8
12)280
23 4

12)35 Foot by 8 Inches.
2 11
8
23 4

35 Foot 8 Inches.
In.
4 is ⅓d 11 8
4 is ⅓d 11 8
23 4

139 Foot by 9 Inches.
9
12)1251
12) 104 3
8 8 3

139 Foot by 11 Inches.
6 is ½ | 69 6
4 is ⅓ | 46 4
1 is $\frac{1}{12}$ | 11 7
127 5

139 Foot by 9 Inches.
6 is ½ 69 6
3 is ¼ 34 9
12)104 3
8 8 3

35 Foot by 3 Inches.
3
12)105
8 9

Chap. II.

Containing the Use of the Tables in measuring Solids.

EXAMPLE I.

To find the solid Content of the square Pyramid ABCD, *with its Base* HI, *in Plate* 23.

First set down the Dimensions as you would do in a Book of Mensuration.

Ft.	In.	Pts.					Ft.	In.	Pts.			
5	6	2 }	30	3	0	the Square of the Base	5	0	0 }	25	0	the Square of the Bottom of the Pyramid.
5	6	2 }				of the Pyramid.	5	0	0 }			the ⅓d Part of the perpendicular
1	5	0	42	10	3	the Height of the Base	5	6	0 }	137	6	Height of the Pyramid.

Then find the Square of the Base 5 Foot, 6 Inches $\frac{2}{12}$, by 5 Foot, 6 Inches $\frac{2}{12}$, by looking in the Tables as has already been taught, which you will find to be 30 Foot 3 Inches, which is to be multiplied by the Height of the Base 1 Foot 5 Inches; to do which you must divide the 30 Foot 3 Inches by 3, and the Product 10 Foot 1 Inch being looked for in the Index of Page

30,

30, oppoſite thereto, and under 1 Foot 5 Inches, at the Top you will find 14 Foot, 3 Inches, and 5 Parts, which being multiplied in your Mind by 3 as you ſet the Figures down produces 42 Foot, 10 Inches, 3 Parts, for the ſolid Content of the Baſe of the Pyramid; the other Dimenſion is ſo eaſy, that no one need to look in the Tables, it being only 5 Foot by 5 Foot, which is 25 Foot; but that being to be multiplied by 5 Foot 6 Inches, it will be neceſſary to take half that Quantity, which will be 12 Foot 6 Inches, then in the Index of the upper Table, Page 43, oppoſite to 12 Foot 6 Inches, and underneath 5 Foot 6 Inches, you have 68 Foot 9 Inches, which being doubled or multiplied by 2, becauſe it was divided by 2, makes 137 Foot 6 Inches for the ſolid Content of the Pyramid, which being added to 42 Foot, 10 Inches, 3 Parts, the ſolid Content of the Plinth or Baſe, makes 180 Foot, 4 Inches, 3 Parts, for the ſolid Content of the ſquare Pyramid as deſired, the Menſuration of the other Solids in the ſaid Plate 23, are to be meaſured in the ſame Manner; but as the Meaſuring thoſe and other Things relating to Superficies and Solids is more particularly deſcribed in the Book now publiſhing, I muſt refer to that, what having been ſaid already being ſufficient to ſhew the Uſe of the Tables, which is all that is intended in this Eſſay; however, I ſhall for the ſake of Learners explain two or three Examples more, which I hope will be ſufficient.

EXAMPLE II.

To find the Contents of a Wall of Brickwork of ſeveral Thickneſſes one upon the other, the lower Part of the Wall being 12 Foot 6 Inches long, and 6 Foot 6 Inches high, 3 Bricks thick; the middle Part being the ſame length, but 10 Foot 6 Inches high, and only 2 Bricks and a ½ thick; and the upper Part being the ſame length, and 8 Foot 3 Inches high, two Bricks thick.

Set down the Dimenſions as before, and they will be as under-written.

1ſt. (3 B.				2d. (2 B ½				3d. (2 B.			
12	6	81	9	12	6	131	3	12	6	103	1
6	6			10	6			8	3		

In Page 44, oppoſite to 12 Foot 6 Inches in the Index, and under 6 Foot 6 Inches at the Top, you will find 81 Foot 9 Inches; again, in Page 48, oppoſite to 12 Foot 6 Inches in the Index, and under 10 Foot 6 Inches is found 131 Foot 3 Inches; and again, in Page 46, oppoſite to 12 Foot 6 Inches in the Index, and under 8 Foot 3 Inches, is found 103 Foot 1 Inch; now to bring this Work into Rods, which altho' this is not a proper Place for it, yet ſome may be deſirous to know the Method, therefore you are to underſtand, that all Thickneſſes of Brickwork are firſt brought to one Brick and a half thick, and then the ſeveral Quantities being added together, and divided by 272 Foot 3 Inches, the Quotient is Rods, and the Remainder is Feet, and is as follows; the Contents of the firſt Dimenſion is 81 Foot 9 Inches, which being multiplied by 2, becauſe it is three Bricks thick, which is twice one Brick and a half, makes 163 Foot 6 Inches, the ſecond being 131 Foot 3 Inches, two Bricks and a half thick, you may divide by 3, the Number of half Bricks in a Brick and a half, and that Quotient being only half a Brick, muſt be ſet down twice under 131 Foot 3 Inches, as in the Margin, which reduces that Dimenſion to one Brick and a half, and is 218 Foot 9 Inches; the third Dimenſion being 103 Foot 1 Inch, and two Bricks thick, it muſt be divided by 3 as before, and the Quotient being only half a Brick thick, muſt be added to the Dimenſion, which is always three half Bricks, or one Brick and a half, which will make it four half Bricks, that is, two whole Bricks, and contains 137 Foot 5 Inches; theſe ſeveral Sums or Quantities being added together, and divided by 272 Foot as above (for the 3 Inches is never regarded) it produces 1 Rod ¼ and 43 Foot.

```
       81   9
            2
      ---------
      163   6 —— 163   6
   ------------
   3)131    3
       43   9
       43   9
      ---------
      218   9 —— 218   9
   3)103    1
       34   4
      ---------
      137   5 —— 137   5
                 --------
                 519   8
272)519(1¼ and 43 Foot.
½ a Rod —   136  272
                 ---
¼ of a Rod   68  247
           ----
¾ of a Rod  204  204
                 ---
                  43
```

EXAMPLE III.

To find the ſolid Contents of ſeveral Pieces of Timber, whoſe Lengths and Sides are as under-written.

1ſt. Foot	In.				2d. Foot	In.					3d. Foot	In.				
34	6	long	60	4½	24	6	long	26	2	5	12	6	long	2	9	¼
1	6	Sides			1	2	Sides				0	8	Sides			
1	2				0	11					0	4				

First divide 34 Foot 6 Inches by 3, ſaying, the threes in 3 is 1, which ſet down as in the Margin, then ſay, the threes in 4 is 1, and there remains 1, which alſo ſet down, and the Remainder being brought into Inches, and added to the 6 Inches, makes 18 Inches, and the threes in 18 Inches is juſt 6, which alſo ſet down as in the Margin, where you find the ⅓d of 34 Foot 6 Inches is 11 Foot 6 Inches, then look for 11 Foot 6 Inches in the Index of Page 30, where you will find 17 Foot 3 Inches; this being alſo divided by 2, or taking the half of it, which may be done at Sight, without

```
3)34   6
  ------
  11   6
```

without putting Pen to Paper is 8 Foot, 7 Inches and a $\frac{1}{2}$, and carrying it to the Index of Page 24, where underneath 1 Foot 2 Inches, and opposite to the said 8 Foot, 7 Inches and $\frac{1}{2}$, is found 10 Foot 9 Parts, and this being multiplied by 6 produces 60 Foot, 4 Inches, 6 Parts, for the solid Content. The Reason of multiplying by 6 is, because of the two Divisions above-mention'd, which must always be multiplied together, and as the first Division was by 3, and the last by 2, so you may say, twice 3 is 6, and as the multiplication of these Divisions may always be made equal, so whenever they are above 12, you may halve the Number and set the Sum down twice; and here I must desire the Favour to be understood, whenever I say, such and such a Sum or Quantity must be multiplied by 6, or any other Number of equal Parts under 12, I always mean, that such Number may be multiplied (if the Practitioner pleases) by the Tables, as in the last Example, for if you look for 10 Foot 9 Parts in the Index of Page 42, you will find the nearest to it is 10 Foot and $\frac{1}{2}$ an Inch, opposite thereto under 6 Foot, you will find 60 Foot 3 Inches; but as this is less than it should be by one Inch and half, take the Difference between that and the next Dimension of 10 Foot 1 Inch by 6 Foot, which being 3 Inches, the half of which being 1 Inch and $\frac{1}{2}$, must be added to it, and this Rule in this Case when you come to such minute Parts, which seldom happens, will always be true. There are several other ways of finding the Contents of Dimensions by the Tables, which will be found in Practice, and therefore I leave them for the Exercise of the Ingenious, tho' I think none are easier than those already mention'd. For the second Dimension of 24 Foot 6 Inches, by 1 Foot 2 Inches, take the half of 24 Foot 6 Inches, which is 12 Foot 3 Inches, and opposite to it, under 1 Foot 2 Inches in the Table, Page 26, you will find 14 Foot, 3 Inches, 6 Parts, the half of which is 7 Foot, 1 Inch, 9 Parts, with which you enter the Table, Page 19, where opposite to 7 Foot, 1 Inch, 9 Parts, and under 11 Inches you will find 6 Foot, 6 Inches, 7 Parts, 3 Seconds, which multiplied by 4, for the Reasons before-mentioned, will give the solid Contents of the said Piece of Timber, which will be 26 Foot, 2 Inches, 5 Parts, and for the last Dimension of 12 Foot 6 Inches by 8 Inches, &c. look in the Table of Page 16, where opposite to 12 Foot 6 Inches, and under 8 Inches, you will find 8 Foot 3 Inches and 10 Parts; which if you carry to the Table of Page 10, you will find opposite thereto 8 Foot, 3 Inches and $\frac{3}{4}$ (which is the nearest to it) and under 4 Inches, 2 Foot 9 Inches and $\frac{1}{4}$ for the solid Content of the said Piece of Timber.

It having been mention'd in the Title-page, that these Tables may be used on other Occasions, such as Gauging, &c. I then thought those Things would of Course occur to the Practitioner, but for fear any Omission might be made an Objection, I have ventured to explain one or two Problems more, tho' it is not pretended to be in these Cases of the same Use and Expedition as in Building, but possibly may serve where better Helps are wanting.

But before I explain the Method of working any more Problems or Examples, I must desire the Learner to work the Dimensions in the Tables as follows, which will be to the utmost Nicety, and to apply the said Method whenever there is Occasion. Suppose I was to multiply 12 Foot 3 Inches, by 9 Inches and 5 Twelfths, by the Tables in Page 21, there is no Dimension there nearer than $\frac{1}{4}$, $\frac{1}{2}$, or $\frac{3}{4}$ of an Inch, which is 3 Twelfths, 6 Twelfths, and 9 Twelfths. Therefore always in these Cases when required, take the Contents of the next Dimension more, and the next Dimension less than that demanded, and take the Difference of those Contents, and divide them by 3, if it is among the Quarters of Inches, and by 6, if among the half Inches, the Quotient of either being 1 twelfth Part of the Dimension; and so many twelfth Parts as you want above the Dimensions in the Tables, so many must be added to your Work, as in the Example above, of 12 Foot 3 Inches, by 9 Inches 5 Twelfths; for 5 Twelfths being more than $\frac{1}{4}$ of an Inch by 2 Twelfths, take the Contents of 12 Foot 3 Inches by 9 Inches $\frac{1}{4}$, which is the nearest Dimension less than demanded, and is 9 Foot, 5 Inches, 3 Parts, 9 Seconds; then take the Contents of the next Dimension, 12 Foot 3 Inches by 9 Inches $\frac{1}{2}$, which is the nearest Dimension more than demanded, and is 9 Foot, 8 Inches, 4 Parts and 6 Seconds, and divide the Difference 3 Inches and 9 Seconds by 3, it being $\frac{1}{4}$ of an Inch Difference in the Dimension, and it will be 1 Inch and 3 Seconds for 1 Twelfth of an Inch; and as you wanted 2 Twelfths to the least Dimension, twice that Quantity must be added to it, which 12 will make 9 Foot, 5 Inches, 3 Parts, 9 Seconds, to be 9 Foot, 7 Inches, 4 Parts 3 Seconds, which is the exact Quantity of 12 Foot 3 Inches by 9 Inches, 5 Twelfths, and this Rule is certain, and may always be applied when any Thing very exact is required.

The USE *of the* TABLES *in* Gauging, &c.

EXAMPLE I.

To find the Quantity of Gallons in a Back or Cooler or other Veſſel 8 *Foot long,* 4 *Foot* 6 *Inches broad, and* 8 *Inches deep.*

LOOK in the Tables as before taught for the Contents of 4 Foot 6 Inches by 8 Inches, which you will find to be 3 Foot, then multiply that by 8 Foot which makes 24 Foot; that Sum multiplied by 1728, the Number of Cubical Inches in a Foot ſquare, or when there are Feet, Inches and Parts, to be multiplied by that Number, it will be much eaſier to multiply the Product by 12 three times, as if 5 Foot, 6 Inches, 9 Parts, were the ſolid Content of any Veſſel to be brought into ſolid Inches, multiply the ſaid 5 Foot, 6 Inches and 9 Parts by 12, the Product 66 Foot 9 Inches multiplied by 12, produces 801, which being multiplied again by 12, makes 9612 ſolid Inches, ſo likewiſe the aboveſaid Sum of 24 Foot, there being no Inches or Parts, may be multiplied by 1728, which makes 41472 ſolid Inches; this being divided by 268.8 for dry Meaſure, and by 231 for Wine, and by 282 for Beer or Ale, the Quotient will be 154 Gallons, 1 Quart and 9 Inches, which is leſs than a Pint, for dry Meaſure, and 179 Gallons, 2 Quarts and 7 Inches and a $\frac{1}{2}$ for Wine Meaſure, and 147 Gallons 18 Inches, which is about half a Pint for Beer or Ale Meaſure.

EXAMPLE II.

To find the Quantity of Gallons in a Spheroid or Veſſel like a Hogſhead, the Diameter at the Head being 3 *Foot, and the Diameter at the Bung or Middle* 3 *Foot* 9 *Inches, and the Height* 4 *Foot, all in the Clear of the ſaid Veſſel.*

Take the one Third of the Square of the Diameter at the Head in Feet, Inches and Parts, *&c.* add to it two Thirds of the Diameter in the Middle, alſo in Feet, Inches and Parts, *&c.* and multiply that Product by the Height; and this Product being multiplied by 9 Inches, 5 Parts, 1 Second, 2 Thirds, gives the ſolid Content in Feet, Inches, and Parts, which being multiplied by 12 three times ſucceſſively, brings the ſaid Product into ſolid Inches, which being divided by the ſeveral Inches in a Gallon of Beer, Wine, or Corn Meaſure, produces the Gallons accordingly. Or if to the $\frac{1}{3}$d of the Square of the Diameter at the Head, you add $\frac{2}{3}$ds of the Square of the Diameter in the Middle, and multiply the Product by 9 Inches, 5 Parts, 1 Second, 2 Thirds, which gives the Area of the mean Diameter, if the Dimenſions are in Feet and Inches, otherwiſe if in Cubical Inches by 7854, which alſo gives the Area of the mean Diameter, and then that Product multiplied by the Height in Inches, gives the ſolid Content in Cubical Inches, as alſo the Area of the mean Diameter in Feet, Inches and Parts, multiplied by the Height in Feet, Inches and Parts, gives the ſolid Content in Feet, Inches and Parts, which muſt be multiplied by 12 three times as before, which will bring them into ſolid Inches, as for Example:

Square 3 Foot the Diameter at the Head, which is 9 Foot, one Third of which, is 3 Foot; then ſquare 3 Foot 9 Inches the Diameter in the Middle, which is 14 Foot, 9 Parts, the two Thirds of which is 9 Foot, 4 Inches, 6 Parts, which added to the 3 Foot, the $\frac{1}{3}$d of the Head-diameter, makes 12 Foot, 4 Inches, 6 Parts; this being multiplied by 9 Inches, 5 Parts, 1 Second, 2 Thirds, by the Tables, as I ſuppoſe the reſt of the Work to be done, will make 9 Foot, 8 Inches, 6 Parts, 4 Seconds, 6 Thirds. This alſo being multiplied by 4 Foot for the Height, will give 38 Foot, 10 Inches, 1 Part and 6 Seconds, for the ſolid Contents of the ſaid Veſſel in Feet, Inches and Parts; and to bring it into ſolid Inches, in order to know the Number of Gallons, you muſt, as has been ſaid above, multiply the ſaid Sum of 38 Foot, 10 Inches, 1 Part, 6 Seconds, by 12, and the Product 466 Foot, 1 Inch, 6 Parts, by 12 again, which produces 5593 Foot, 6 Inches; this alſo multiplied by 12 produces 67122 ſolid Inches, which being divided by any of the Numbers for the ſeveral Gallons of Wine, Beer, or dry Meaſure, as above, will produce the Gallons required very near the Truth, for if it was Beer or Ale Gallons, there would be 238 Gallons, 6 Inches, whereas according to the Truth of the Rule above ſaid, there would be 238 Gallons, one Pint, 27 Inches and $\frac{1}{4}$, which makes the Difference but a little more than a Pint in ſo many Gallons, which ſmall Difference is owing to the want of the minute Parts in the Tables, which is not regarded in other Works; but if any ſhould work this Propoſition by the Pen in *Vulgar Arithmetick*, the Quantity above-mention'd would be exactly true, according to the aforeſaid Method, which whether exactly true or not (ſo much depending upon the Curvature of the Sides) is what I ſhall not take upon me to determine, it being the ſame Method as is taught by Sir *Jonas Moor*, Mr. *Oughtred*, &c. and is to be ſure near enough for common Practice, my Intention being only to explain the Uſe of the Tables in all ſorts of Meaſurements of Superficies and Solids; but if any ſhould think the Difference above-mentioned to be of any Conſequence, the Work may be performed by the Tables as near to the Truth as can be deſired, much eaſier than by the Pen, when the Method is underſtood, which the Pactitioner will ſoon find by a little Practice; and I have for that Purpoſe ſet down the whole Operation ſeveral Ways, one by *Decimals*, one by *Vulgar Arithmetick*, and the other two by the *Tables* as follows.

First Method Decimally.

	Ft. In.		In.
Diam. at the head	3 0	or	36
Diam. at the bung	3 9	or	45
Height ———	4 0	or	48

36. 45.
36. 45.

216 225
108 180

3)1296. 3)2025. the Sqrs. of the Diam.

432. 675. } The $\frac{2}{3}$ds.
675.
432. the $\frac{1}{3}$d of the Head.

1782. the Sq. of the
.7854 mean Diam.

7128
8910
14256
12474

1399.5828 the Area of the (mean Diam.
48. the height.

111966624
55983312

6717.9744

By the Pen vulgarly.

3 0   3 9
3 0   3 0

3)9 0   9
     2 3
3 0   2 3
     6 9

3)14 0 9

The 2 Thirds of the Sq. of the Diameter in the Middle ——— } 4 8 3
4 8 3
1 Third of the Sq. of the Diameter at Top — } 3 0 0

12 4 6 0 0
9 5 1 2

2 0 9 0 0 0
1 0 4 6 0 0
5 1 10 6 0 0
9 3 4 6 0 0

Area of the mean Diam. } 9 8 7 6 11 3 0 0 0
multip. by the height 4 Foot

38 10 6 3 9 0
12

466 6 3 9 0
12

5598 3 9 0 0
12

67179 9 1 0 0

and by 12 three times.

By the Tables as in the Example above.

Foot   F. I. P.

3 0 } 3)   3 9 } 3)
by } 9 0   by } 14 0 9
3 0 } 3 0   3 9 } 4 8 3
4 8 3

The $\frac{1}{3}$d of 9 Foot is 3 0 0

The $\frac{2}{3}$ds of 14 0 9 is 9 4 6 (F. I. P.)

Sq. of the mean Diam. 12 4 6
multiplied by ——— 0 9 5
which is as far as the Table extends to Parts of Inches, at one or two Operations, as has been already taught,

F. I. P. S. T.
produces 9 8 6 4 6 and
This being multiplied by 4 Foot the Height, 4

produces 38 10 1 6 0 and
This being multiplied by 12 three times successively, 12

466 1 6 0 0
12

5593 6 0 0 0
12

Prod. 67122 0 0 0 0
according to what has been said in the 2d Example of *Gauging*. These several Numbers of solid Inches being divided by 282, makes as has been said before, 238 Gallons and 6 Inches, and 238 Gallons, one Pint and 27 Inches $\frac{1}{4}$, which is but little more than one Pint difference, which in so large a Quantity is as nothing, and what can never be determined nearer by the Methods now in use with the Sliding-Rule, which is at best but Guess-work, when you come to very minute Parts.

The Second Way by the Tables.

	Foot	In.	P.	S.	T.	
The Square of the mean Diameter ———	12	4	6	0	0	
Multiplied by ———	0	9	5	1	2	
These distant Parts, as has been mention'd, is not to be found immediately by the Tables, therefore take 12 Foot, 4 Inches, 6 Parts by 0 Foot, 9 Inches, 3 Parts, which is the nearest in the Tables to 0 Foot, 9 Inches, 5 Parts, 1 Second, 2 Thirds, and which is ———	9	6	5	7	6	
Then for the $\frac{2}{12}$ths, which is wanting of the Parts, use the same Method as is taught in the 3d Example of Solids, where you will find the Difference for $\frac{1}{12}$th, to be —	0	1	0	4	6	
Therefore that must be twice ———	0	1	0	4	6	
Then for the 1 Second set down the same Difference one place lower, thus ———	0	0	1	0	4	6
And for the $\frac{2}{3}$ds the same Difference must be set down twice, one Place lower or more to the Right-hand thus ———	0	0	0	1	0	4 6
	0	0	0	1	0	4 6
which produces ———	9	8	7	6	11	3 0

for the Area of the mean Diameter, which being multiplied as before by the Height, and then by 12 three times, as in the second Example above, will produce 67179 solid Inche, or 238 Gallons, 1 Pint, 27 Inches, $\frac{1}{4}$ of Beer or Ale.

EXAMPLE

EXAMPLE III.

To find the Number of Loads of Gravel to make a Walk 250 *long*, 24 *Foot* 8 *Inches broad, and* 1 *Foot* 3 *Inches deep; or, which is the same Thing, to know the Number of Loads of Earth, which must be moved to level a Piece of Ground of the same Dimensions.*

Take the half of 24 Foot, 8 Inches, which is 12 Foot, 4 Inches, and look in the Index of the upper Part of Page 26, for 12 Foot, 4 Inches, opposite to which, and under 1 Foot, 3 Inches, is 15 Foot, 3 Inches; that doubled or multiplied by 2 (which may be done in your Mind without any farther Trouble) makes 30 Foot, 10 Inches; then look in the printed Tables for 30 Foot by 250 Foot, and you will find 7500; to which if you add 208 Foot, 4 Inches (which is 250 Foot by 10 Inches, as may be seen at once in the said Tables) the whole Sum will be 7708 Foot, 4 Inches; which to bring into Loads, must be divided by 27, and then the Quotient will be 100 Load and 8 Foot.

CONCLUSION.

From what has been said, I may reasonably conclude, that any the least knowing Person may find out the Use of the Tables, which has been a work of infinite Labour and Care, and I am in great Hopes there is not one Error in the whole Calculation; but if there should appear to be any, the generous Artist will forgive it, since he may be assured it was not designed, and that all the Care that was possible has been taken by the Engraver and Printer, as well as myself, in making them correct.

A TABLE OF FEET AND INCHES

from one quarter of an inch square, to two foot five inches and three quarters by three inches.

F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	0.0.1/4	0.0.1/2	0.0.3/4	0.1.0	0.1.1/4	0.1.1/2	0.1.3/4	0.2.0	0.2.1/4	0.2.1/2	0.2.3/4	0.3.0
0.0.0 1/4 1/2 3/4	0.0.0.0.0 0.0.0.0.9 0.0.0.1.6 0.0.0.2.3	0.0.0.3.0 0.0.0.4.6	0.0.0.6.9									
0.1.0 1/4 1/2 3/4	0.0.0.3.0 0.0.0.3.9 0.0.0.4.6 0.0.0.5.3	0.0.0.6.0 0.0.0.7.6 0.0.0.9.0 0.0.0.10.6	0.0.0.9.0 0.0.0.11.3 0.0.1.1.6 0.0.1.3.9	0.0.1.0.0 0.0.1.3.0 0.0.1.6.0 0.0.1.9.0	0.0.1.6.9 0.0.1.10.6 0.0.2.2.3	0.0.2.3.0 0.0.2.7.6	0.0.3.0.9					
0.2.0 1/4 1/2 3/4	0.0.0.6.0 0.0.0.6.9 0.0.0.7.6 0.0.0.8.3	0.0.1.0.0 0.0.1.1.6 0.0.1.3.0 0.0.1.4.6	0.0.1.6.0 0.0.1.8.3 0.0.1.10.6 0.0.2.0.9	0.0.2.0.0 0.0.2.3.0 0.0.2.6.0 0.0.2.9.0	0.0.2.6.0 0.0.2.9.9 0.0.3.1.6 0.0.3.5.3	0.0.3.0.0 0.0.3.4.6 0.0.3.9.0 0.0.4.1.6	0.0.3.6.0 0.0.3.11.3 0.0.4.4.6 0.0.4.9.9	0.0.4.0.0 0.0.4.6.0 0.0.5.0.0 0.0.5.6.0	0.0.5.0.9 0.0.5.7.6 0.0.6.2.3	0.0.6.3.0 0.0.6.10.6	0.0.7.6.9	
0.3.0 1/4 1/2 3/4	0.0.0.9.0 0.0.0.9.9 0.0.0.10.6 0.0.0.11.3	0.0.1.6.0 0.0.1.7.6 0.0.1.9.0 0.0.1.10.6	0.0.2.3.0 0.0.2.5.3 0.0.2.7.6 0.0.2.9.9	0.0.3.0.0 0.0.3.3.0 0.0.3.6.0 0.0.3.9.0	0.0.3.9.0 0.0.4.0.9 0.0.4.4.6 0.0.4.8.3	0.0.4.6.0 0.0.4.10.6 0.0.5.3.0 0.0.5.7.6	0.0.5.3.0 0.0.5.8.3 0.0.6.1.6 0.0.6.6.9	0.0.6.0.0 0.0.6.6.0 0.0.7.0.0 0.0.7.6.0	0.0.6.9.0 0.0.7.3.9 0.0.7.10.6 0.0.8.5.3	0.0.7.6.0 0.0.8.1.6 0.0.8.9.0 0.0.9.4.6	0.0.8.3.0 0.0.8.11.3 0.0.9.7.6 0.0.10.3.9	0.0.9.0.0 0.0.9.9.0 0.0.10.6.0 0.0.11.3.0
0.4.0 1/4 1/2 3/4	0.0.1.0.0 0.0.1.0.9 0.0.1.1.6 0.0.1.2.3	0.0.2.0.0 0.0.2.1.6 0.0.2.3.0 0.0.2.4.6	0.0.3.0.0 0.0.3.2.3 0.0.3.4.6 0.0.3.6.9	0.0.4.0.0 0.0.4.3.0 0.0.4.6.0 0.0.4.9.0	0.0.5.0.0 0.0.5.3.9 0.0.5.7.6 0.0.5.11.3	0.0.6.0.0 0.0.6.4.6 0.0.6.9.0 0.0.7.1.6	0.0.7.0.0 0.0.7.5.3 0.0.7.10.6 0.0.8.3.9	0.0.8.0.0 0.0.8.6.0 0.0.9.0.0 0.0.9.6.0	0.0.9.0.0 0.0.9.6.9 0.0.10.1.6 0.0.10.8.3	0.0.10.0.0 0.0.10.7.6 0.0.11.3.0 0.0.11.10.6	0.0.11.0.0 0.0.11.8.3 0.1.0.4.6 0.1.1.0.9	0.1.0.0.0 0.1.0.9.0 0.1.1.6.0 0.1.2.3.0
0.5.0 1/4 1/2 3/4	0.0.1.3.0 0.0.1.3.9 0.0.1.4.6 0.0.1.5.3	0.0.2.6.0 0.0.2.7.6 0.0.2.9.0 0.0.2.10.6	0.0.3.9.0 0.0.3.11.3 0.0.4.1.6 0.0.4.3.9	0.0.5.0.0 0.0.5.3.0 0.0.5.6.0 0.0.5.9.0	0.0.6.3.0 0.0.6.6.9 0.0.6.10.6 0.0.7.2.3	0.0.7.6.0 0.0.7.10.6 0.0.8.3.0 0.0.8.7.6	0.0.8.9.0 0.0.9.2.3 0.0.9.7.6 0.0.10.0.9	0.0.10.0.0 0.0.10.6.0 0.0.11.0.0 0.0.11.6.0	0.0.11.3.0 0.0.11.9.9 0.1.0.4.6 0.1.0.11.3	0.1.0.6.0 0.1.1.1.6 0.1.1.9.0 0.1.2.4.6	0.1.1.9.0 0.1.2.5.3 0.1.3.1.6 0.1.3.9.9	0.1.3.0.0 0.1.3.9.0 0.1.4.6.0 0.1.5.3.0
0.6.0 1/4 1/2 3/4	0.0.1.6.0 0.0.1.6.9 0.0.1.7.6 0.0.1.8.3	0.0.3.0.0 0.0.3.1.6 0.0.3.3.0 0.0.3.4.6	0.0.4.6.0 0.0.4.8.3 0.0.4.10.6 0.0.5.0.9	0.0.6.0.0 0.0.6.3.0 0.0.6.6.0 0.0.6.9.0	0.0.7.6.0 0.0.7.9.9 0.0.8.1.6 0.0.8.5.3	0.0.9.0.0 0.0.9.4.6 0.0.9.9.0 0.0.10.1.6	0.0.10.6.0 0.0.10.11.3 0.0.11.4.6 0.0.11.9.9	0.1.0.0.0 0.1.0.6.0 0.1.1.0.0 0.1.1.6.0	0.1.1.6.0 0.1.2.0.9 0.1.2.7.6 0.1.3.2.3	0.1.3.0.0 0.1.3.7.6 0.1.4.3.0 0.1.4.10.6	0.1.4.6.0 0.1.5.2.3 0.1.5.10.6 0.1.6.6.9	0.1.6.0.0 0.1.6.9.0 0.1.7.6.0 0.1.8.3.0
0.7.0 1/4 1/2 3/4	0.0.1.9.0 0.0.1.9.9 0.0.1.10.6 0.0.1.11.3	0.0.3.6.0 0.0.3.7.6 0.0.3.9.0 0.0.3.10.6	0.0.5.3.0 0.0.5.5.3 0.0.5.7.6 0.0.5.9.9	0.0.7.0.0 0.0.7.3.0 0.0.7.6.0 0.0.7.9.0	0.0.8.9.0 0.0.9.0.9 0.0.9.4.6 0.0.9.8.3	0.0.10.6.0 0.0.10.10.6 0.0.11.3.0 0.0.11.7.6	0.1.0.3.0 0.1.0.8.3 0.1.1.1.6 0.1.1.6.9	0.1.2.0.0 0.1.2.6.0 0.1.3.0.0 0.1.3.6.0	0.1.3.9.0 0.1.4.3.9 0.1.4.10.6 0.1.5.5.3	0.1.5.6.0 0.1.6.1.6 0.1.6.9.0 0.1.7.4.6	0.1.7.3.0 0.1.7.11.3 0.1.8.7.6 0.1.9.3.9	0.1.9.0.0 0.1.9.9.0 0.1.10.6.0 0.1.11.3.0
0.8.0 1/4 1/2 3/4	0.0.2.0.0 0.0.2.0.9 0.0.2.1.6 0.0.2.2.3	0.0.4.0.0 0.0.4.1.6 0.0.4.3.0 0.0.4.4.6	0.0.6.0.0 0.0.6.2.3 0.0.6.4.6 0.0.6.6.9	0.0.8.0.0 0.0.8.3.0 0.0.8.6.0 0.0.8.9.0	0.0.10.0.0 0.0.10.3.9 0.0.10.7.6 0.0.10.11.3	0.1.0.0.0 0.1.0.4.6 0.1.0.9.0 0.1.1.1.6	0.1.2.0.0 0.1.2.5.3 0.1.2.10.6 0.1.3.3.9	0.1.4.0.0 0.1.4.6.0 0.1.5.0.0 0.1.5.6.0	0.1.6.0.0 0.1.6.6.9 0.1.7.1.6 0.1.7.8.3	0.1.8.0.0 0.1.8.7.6 0.1.9.3.0 0.1.9.10.6	0.1.10.0.0 0.1.10.8.3 0.1.11.4.6 0.2.0.0.9	0.2.0.0.0 0.2.0.9.0 0.2.1.6.0 0.2.2.3.0
0.9.0 1/4 1/2 3/4	0.0.2.3.0 0.0.2.3.9 0.0.2.4.6 0.0.2.5.3	0.0.4.6.0 0.0.4.7.6 0.0.4.9.0 0.0.4.10.6	0.0.6.9.0 0.0.6.11.3 0.0.7.1.6 0.0.7.3.9	0.0.9.0.0 0.0.9.3.0 0.0.9.6.0 0.0.9.9.0	0.0.11.3.0 0.0.11.6.9 0.0.11.10.6 0.1.0.2.3	0.1.1.6.0 0.1.1.10.6 0.1.2.3.0 0.1.2.7.6	0.1.3.9.0 0.1.4.2.3 0.1.4.7.6 0.1.5.0.9	0.1.6.0.0 0.1.6.6.0 0.1.7.0.0 0.1.7.6.0	0.1.8.3.0 0.1.8.9.9 0.1.9.4.6 0.1.9.11.3	0.1.10.6.0 0.1.11.1.6 0.1.11.9.0 0.2.0.4.6	0.2.0.9.0 0.2.1.5.3 0.2.2.1.6 0.2.2.9.9	0.2.3.0.0 0.2.3.9.0 0.2.4.6.0 0.2.5.3.0
0.10.0 1/4 1/2 3/4	0.0.2.6.0 0.0.2.6.9 0.0.2.7.6 0.0.2.8.3	0.0.5.0.0 0.0.5.1.6 0.0.5.3.0 0.0.5.4.6	0.0.7.6.0 0.0.7.8.3 0.0.7.10.6 0.0.8.0.9	0.0.10.0.0 0.0.10.3.0 0.0.10.6.0 0.0.10.9.0	0.1.0.6.0 0.1.0.9.9 0.1.1.1.6 0.1.1.5.3	0.1.3.0.0 0.1.3.4.6 0.1.3.9.0 0.1.4.1.6	0.1.5.6.0 0.1.5.11.3 0.1.6.4.6 0.1.6.9.9	0.1.8.0.0 0.1.8.6.0 0.1.9.0.0 0.1.9.6.0	0.1.10.6.0 0.1.11.0.9 0.1.11.7.6 0.2.0.2.3	0.2.1.0.0 0.2.1.7.6 0.2.2.3.0 0.2.2.10.6	0.2.3.6.0 0.2.4.2.3 0.2.4.10.6 0.2.5.6.9	0.2.6.0.0 0.2.6.9.0 0.2.7.6.0 0.2.8.3.0
0.11.0 1/4 1/2 3/4	0.0.2.9.0 0.0.2.9.9 0.0.2.10.6 0.0.2.11.3	0.0.5.6.0 0.0.5.7.6 0.0.5.9.0 0.0.5.10.6	0.0.8.3.0 0.0.8.5.3 0.0.8.7.6 0.0.8.9.9	0.0.11.0.0 0.0.11.3.0 0.0.11.6.0 0.0.11.9.0	0.1.1.9.0 0.1.2.0.9 0.1.2.4.6 0.1.2.8.3	0.1.4.6.0 0.1.4.10.6 0.1.5.3.0 0.1.5.7.6	0.1.7.3.0 0.1.7.8.3 0.1.8.1.6 0.1.8.6.9	0.1.10.0.0 0.1.10.6.0 0.1.11.0.0 0.1.11.6.0	0.2.0.9.0 0.2.1.3.9 0.2.1.10.6 0.2.2.5.3	0.2.3.6.0 0.2.4.1.6 0.2.4.9.0 0.2.5.4.6	0.2.6.3.0 0.2.6.11.3 0.2.7.7.6 0.2.8.3.9	0.2.9.0.0 0.2.9.9.0 0.2.10.6.0 0.2.11.3.0
1.0.0 1/4 1/2 3/4	0.0.3.0.0 0.0.3.0.9 0.0.3.1.6 0.0.3.2.3	0.0.6.0.0 0.0.6.1.6 0.0.6.3.0 0.0.6.4.6	0.0.9.0.0 0.0.9.2.3 0.0.9.4.6 0.0.9.6.9	0.1.0.0.0 0.1.0.3.0 0.1.0.6.0 0.1.0.9.0	0.1.3.0.0 0.1.3.3.9 0.1.3.7.6 0.1.3.11.3	0.1.6.0.0 0.1.6.4.6 0.1.6.9.0 0.1.7.1.6	0.1.9.0.0 0.1.9.5.3 0.1.9.10.6 0.1.10.3.9	0.2.0.0.0 0.2.0.6.0 0.2.1.0.0 0.2.1.6.0	0.2.3.0.0 0.2.3.6.9 0.2.4.1.6 0.2.4.8.3	0.2.6.0.0 0.2.6.7.6 0.2.7.3.0 0.2.7.10.6	0.2.9.0.0 0.2.9.8.3 0.2.10.4.6 0.2.11.0.9	0.3.0.0.0 0.3.0.9.0 0.3.1.6.0 0.3.2.3.0
1.1.0 1/4 1/2 3/4	0.0.3.3.0 0.0.3.3.9 0.0.3.4.6 0.0.3.5.3	0.0.6.6.0 0.0.6.7.6 0.0.6.9.0 0.0.6.10.6	0.0.9.9.0 0.0.9.11.3 0.0.10.1.6 0.0.10.3.9	0.1.1.0.0 0.1.1.3.0 0.1.1.6.0 0.1.1.9.0	0.1.4.3.0 0.1.4.6.9 0.1.4.10.6 0.1.5.2.3	0.1.7.6.0 0.1.7.10.6 0.1.8.3.0 0.1.8.7.6	0.1.10.9.0 0.1.11.2.3 0.1.11.7.6 0.2.0.0.9	0.2.2.0.0 0.2.2.6.0 0.2.3.0.0 0.2.3.6.0	0.2.5.3.0 0.2.5.9.9 0.2.6.4.6 0.2.6.11.3	0.2.8.6.0 0.2.9.1.6 0.2.9.9.0 0.2.10.4.6	0.2.11.9.0 0.3.0.5.3 0.3.1.1.6 0.3.1.9.9	0.3.3.0.0 0.3.3.9.0 0.3.4.6.0 0.3.5.3.0
1.2.0 1/4 1/2 3/4	0.0.3.6.0 0.0.3.6.9 0.0.3.7.6 0.0.3.8.3	0.0.7.0.0 0.0.7.1.6 0.0.7.3.0 0.0.7.4.6	0.0.10.6.0 0.0.10.8.3 0.0.10.10.6 0.0.11.0.9	0.1.2.0.0 0.1.2.3.0 0.1.2.6.0 0.1.2.9.0	0.1.5.6.0 0.1.5.9.9 0.1.6.1.6 0.1.6.5.3	0.1.9.0.0 0.1.9.4.6 0.1.9.9.0 0.1.10.1.6	0.2.0.6.0 0.2.0.11.3 0.2.1.4.6 0.2.1.9.9	0.2.4.0.0 0.2.4.6.0 0.2.5.0.0 0.2.5.6.0	0.2.7.6.0 0.2.8.0.9 0.2.8.7.6 0.2.9.2.3	0.2.11.0.0 0.2.11.7.6 0.3.0.3.0 0.3.0.10.6	0.3.2.6.0 0.3.3.2.3 0.3.3.10.6 0.3.4.6.9	0.3.6.0.0 0.3.6.9.0 0.3.7.6.0 0.3.8.3.0
1.3.0 1/4 1/2 3/4	0.0.3.9.0 0.0.3.9.9 0.0.3.10.6 0.0.3.11.3	0.0.7.6.0 0.0.7.7.6 0.0.7.9.0 0.0.7.10.6	0.0.11.3.0 0.0.11.5.3 0.0.11.7.6 0.0.11.9.9	0.1.3.0.0 0.1.3.3.0 0.1.3.6.0 0.1.3.9.0	0.1.6.9.0 0.1.7.0.9 0.1.7.4.6 0.1.7.8.3	0.1.10.6.0 0.1.10.10.6 0.1.11.3.0 0.1.11.7.6	0.2.2.3.0 0.2.2.8.3 0.2.3.1.6 0.2.3.6.9	0.2.6.0.0 0.2.6.6.0 0.2.7.0.0 0.2.7.6.0	0.2.9.9.0 0.2.10.3.9 0.2.10.10.6 0.2.11.5.3	0.3.1.6.0 0.3.2.1.6 0.3.2.9.0 0.3.3.4.6	0.3.5.3.0 0.3.5.11.3 0.3.6.7.6 0.3.7.3.9	0.3.9.0.0 0.3.9.9.0 0.3.10.6.0 0.3.11.3.0
1.4.0 1/4 1/2 3/4	0.0.4.0.0 0.0.4.0.9 0.0.4.1.6 0.0.4.2.3	0.0.8.0.0 0.0.8.1.6 0.0.8.3.0 0.0.8.4.6	0.1.0.0.0 0.1.0.2.3 0.1.0.4.6 0.1.0.6.9	0.1.4.0.0 0.1.4.3.0 0.1.4.6.0 0.1.4.9.0	0.1.8.0.0 0.1.8.3.9 0.1.8.7.6 0.1.8.11.3	0.2.0.0.0 0.2.0.4.6 0.2.0.9.0 0.2.1.1.6	0.2.4.0.0 0.2.4.5.3 0.2.4.10.6 0.2.5.3.9	0.2.8.0.0 0.2.8.6.0 0.2.9.0.0 0.2.9.6.0	0.3.0.0.0 0.3.0.6.9 0.3.1.1.6 0.3.1.8.3	0.3.4.0.0 0.3.4.7.6 0.3.5.3.0 0.3.5.10.6	0.3.8.0.0 0.3.8.8.3 0.3.9.4.6 0.3.10.0.9	0.4.0.0.0 0.4.0.9.0 0.4.1.6.0 0.4.2.3.0
1.5.0 1/4 1/2 3/4	0.0.4.3.0 0.0.4.3.9 0.0.4.4.6 0.0.4.5.3	0.0.8.6.0 0.0.8.7.6 0.0.8.9.0 0.0.8.10.6	0.1.0.9.0 0.1.0.11.3 0.1.1.1.6 0.1.1.3.9	0.1.5.0.0 0.1.5.3.0 0.1.5.6.0 0.1.5.9.0	0.1.9.3.0 0.1.9.6.9 0.1.9.10.6 0.1.10.2.3	0.2.1.6.0 0.2.1.10.6 0.2.2.3.0 0.2.2.7.6	0.2.5.9.0 0.2.6.2.3 0.2.6.7.6 0.2.7.0.9	0.2.10.0.0 0.2.10.6.0 0.2.11.0.0 0.2.11.6.0	0.3.2.3.0 0.3.2.9.9 0.3.3.4.6 0.3.3.11.3	0.3.6.6.0 0.3.7.1.6 0.3.7.9.0 0.3.8.4.6	0.3.10.9.0 0.3.11.5.3 0.4.0.1.6 0.4.0.9.9	0.4.3.0.0 0.4.3.9.0 0.4.4.6.0 0.4.5.3.0
1.6.0 1/4 1/2 3/4	0.0.4.6.0 0.0.4.6.9 0.0.4.7.6 0.0.4.8.3	0.0.9.0.0 0.0.9.1.6 0.0.9.3.0 0.0.9.4.6	0.1.1.6.0 0.1.1.8.3 0.1.1.10.6 0.1.2.0.9	0.1.6.0.0 0.1.6.3.0 0.1.6.6.0 0.1.6.9.0	0.1.10.6.0 0.1.10.9.9 0.1.11.1.6 0.1.11.5.3	0.2.3.0.0 0.2.3.4.6 0.2.3.9.0 0.2.4.1.6	0.2.7.6.0 0.2.7.11.3 0.2.8.4.6 0.2.8.9.9	0.3.0.0.0 0.3.0.6.0 0.3.1.0.0 0.3.1.6.0	0.3.4.6.0 0.3.5.0.9 0.3.5.7.6 0.3.6.2.3	0.3.9.0.0 0.3.9.7.6 0.3.10.3.0 0.3.10.10.6	0.4.1.6.0 0.4.2.2.3 0.4.2.10.6 0.4.3.6.9	0.4.6.0.0 0.4.6.9.0 0.4.7.6.0 0.4.8.3.0
1.7.0 1/4 1/2 3/4	0.0.4.9.0 0.0.4.9.9 0.0.4.10.6 0.0.4.11.3	0.0.9.6.0 0.0.9.7.6 0.0.9.9.0 0.0.9.10.6	0.1.2.3.0 0.1.2.5.3 0.1.2.7.6 0.1.2.9.9	0.1.7.0.0 0.1.7.3.0 0.1.7.6.0 0.1.7.9.0	0.1.11.9.0 0.2.0.0.9 0.2.0.4.6 0.2.0.8.3	0.2.4.6.0 0.2.4.10.6 0.2.5.3.0 0.2.5.7.6	0.2.9.3.0 0.2.9.8.3 0.2.10.1.6 0.2.10.6.9	0.3.2.0.0 0.3.2.6.0 0.3.3.0.0 0.3.3.6.0	0.3.6.9.0 0.3.7.3.9 0.3.7.10.6 0.3.8.5.3	0.3.11.6.0 0.4.0.1.6 0.4.0.9.0 0.4.1.4.6	0.4.4.3.0 0.4.4.11.3 0.4.5.7.6 0.4.6.3.9	0.4.9.0.0 0.4.9.9.0 0.4.10.6.0 0.4.11.3.0
1.8.0 1/4 1/2 3/4	0.0.5.0.0 0.0.5.0.9 0.0.5.1.6 0.0.5.2.3	0.0.10.0.0 0.0.10.1.6 0.0.10.3.0 0.0.10.4.6	0.1.3.0.0 0.1.3.2.3 0.1.3.4.6 0.1.3.6.9	0.1.8.0.0 0.1.8.3.0 0.1.8.6.0 0.1.8.9.0	0.2.1.0.0 0.2.1.3.9 0.2.1.7.6 0.2.1.11.3	0.2.6.0.0 0.2.6.4.6 0.2.6.9.0 0.2.7.1.6	0.2.11.0.0 0.2.11.5.3 0.2.11.10.6 0.3.0.3.9	0.3.4.0.0 0.3.4.6.0 0.3.5.0.0 0.3.5.6.0	0.3.9.0.0 0.3.9.6.9 0.3.10.1.6 0.3.10.8.3	0.4.2.0.0 0.4.2.7.6 0.4.3.3.0 0.4.3.10.6	0.4.7.0.0 0.4.7.8.3 0.4.8.4.6 0.4.9.0.9	0.5.0.0.0 0.5.0.9.0 0.5.1.6.0 0.5.2.3.0
1.9.0 1/4 1/2 3/4	0.0.5.3.0 0.0.5.3.9 0.0.5.4.6 0.0.5.5.3	0.0.10.6.0 0.0.10.7.6 0.0.10.9.0 0.0.10.10.6	0.1.3.9.0 0.1.3.11.3 0.1.4.1.6 0.1.4.3.9	0.1.9.0.0 0.1.9.3.0 0.1.9.6.0 0.1.9.9.0	0.2.2.3.0 0.2.2.6.9 0.2.2.10.6 0.2.3.2.3	0.2.7.6.0 0.2.7.10.6 0.2.8.3.0 0.2.8.7.6	0.3.0.9.0 0.3.1.2.3 0.3.1.7.6 0.3.2.0.9	0.3.6.0.0 0.3.6.6.0 0.3.7.0.0 0.3.7.6.0	0.3.11.3.0 0.3.11.9.9 0.4.0.4.6 0.4.0.11.3	0.4.4.6.0 0.4.5.1.6 0.4.5.9.0 0.4.6.4.6	0.4.9.9.0 0.4.10.5.3 0.4.11.1.6 0.4.11.9.9	0.5.3.0.0 0.5.3.9.0 0.5.4.6.0 0.5.5.3.0
1.10.0 1/4 1/2 3/4	0.0.5.6.0 0.0.5.6.9 0.0.5.7.6 0.0.5.8.3	0.0.11.0.0 0.0.11.1.6 0.0.11.3.0 0.0.11.4.6	0.1.4.6.0 0.1.4.8.3 0.1.4.10.6 0.1.5.0.9	0.1.10.0.0 0.1.10.3.0 0.1.10.6.0 0.1.10.9.0	0.2.3.6.0 0.2.3.9.9 0.2.4.1.6 0.2.4.5.3	0.2.9.0.0 0.2.9.4.6 0.2.9.9.0 0.2.10.1.6	0.3.2.6.0 0.3.2.11.3 0.3.3.4.6 0.3.3.9.9	0.3.8.0.0 0.3.8.6.0 0.3.9.0.0 0.3.9.6.0	0.4.1.6.0 0.4.2.0.9 0.4.2.7.6 0.4.3.2.3	0.4.7.0.0 0.4.7.7.6 0.4.8.3.0 0.4.8.10.6	0.5.0.6.0 0.5.1.2.3 0.5.1.10.6 0.5.2.6.9	0.5.6.0.0 0.5.6.9.0 0.5.7.6.0 0.5.8.3.0
1.11.0 1/4 1/2 3/4	0.0.5.9.0 0.0.5.9.9 0.0.5.10.6 0.0.5.11.3	0.0.11.6.0 0.0.11.7.6 0.0.11.9.0 0.0.11.10.6	0.1.5.3.0 0.1.5.5.3 0.1.5.7.6 0.1.5.9.9	0.1.11.0.0 0.1.11.3.0 0.1.11.6.0 0.1.11.9.0	0.2.4.9.0 0.2.5.0.9 0.2.5.4.6 0.2.5.8.3	0.2.10.6.0 0.2.10.10.6 0.2.11.3.0 0.2.11.7.6	0.3.4.3.0 0.3.4.8.3 0.3.5.1.6 0.3.5.6.9	0.3.10.0.0 0.3.10.6.0 0.3.11.0.0 0.3.11.6.0	0.4.3.9.0 0.4.4.3.9 0.4.4.10.6 0.4.5.5.3	0.4.9.6.0 0.4.10.1.6 0.4.10.9.0 0.4.11.4.6	0.5.3.3.0 0.5.3.11.3 0.5.4.7.6 0.5.5.3.9	0.5.9.0.0 0.5.9.9.0 0.5.10.6.0 0.5.11.3.0
2.0.0 1/4 1/2 3/4	0.0.6.0.0 0.0.6.0.9 0.0.6.1.6 0.0.6.2.3	0.1.0.0.0 0.1.0.1.6 0.1.0.3.0 0.1.0.4.6	0.1.6.0.0 0.1.6.2.3 0.1.6.4.6 0.1.6.6.9	0.2.0.0.0 0.2.0.3.0 0.2.0.6.0 0.2.0.9.0	0.2.6.0.0 0.2.6.3.9 0.2.6.7.6 0.2.6.11.3	0.3.0.0.0 0.3.0.4.6 0.3.0.9.0 0.3.1.1.6	0.3.6.0.0 0.3.6.5.3 0.3.6.10.6 0.3.7.3.9	0.4.0.0.0 0.4.0.6.0 0.4.1.0.0 0.4.1.6.0	0.4.6.0.0 0.4.6.6.9 0.4.7.1.6 0.4.7.8.3	0.5.0.0.0 0.5.0.7.6 0.5.1.3.0 0.5.1.10.6	0.5.6.0.0 0.5.6.8.3 0.5.7.4.6 0.5.8.0.9	0.6.0.0.0 0.6.0.9.0 0.6.1.6.0 0.6.2.3.0
2.1.0 1/4 1/2 3/4	0.0.6.3.0 0.0.6.3.9 0.0.6.4.6 0.0.6.5.3	0.1.0.6.0 0.1.0.7.6 0.1.0.9.0 0.1.0.10.6	0.1.6.9.0 0.1.6.11.3 0.1.7.1.6 0.1.7.3.9	0.2.1.0.0 0.2.1.3.0 0.2.1.6.0 0.2.1.9.0	0.2.7.3.0 0.2.7.6.9 0.2.7.10.6 0.2.8.2.3	0.3.1.6.0 0.3.1.10.6 0.3.2.3.0 0.3.2.7.6	0.3.7.9.0 0.3.8.2.3 0.3.8.7.6 0.3.9.0.9	0.4.2.0.0 0.4.2.6.0 0.4.3.0.0 0.4.3.6.0	0.4.8.3.0 0.4.8.9.9 0.4.9.4.6 0.4.9.11.3	0.5.2.6.0 0.5.3.1.6 0.5.3.9.0 0.5.4.4.6	0.5.8.9.0 0.5.9.5.3 0.5.10.1.6 0.5.10.9.9	0.6.3.0.0 0.6.3.9.0 0.6.4.6.0 0.6.5.3.0
2.2.0 1/4 1/2 3/4	0.0.6.6.0 0.0.6.6.9 0.0.6.7.6 0.0.6.8.3	0.1.1.0.0 0.1.1.1.6 0.1.1.3.0 0.1.1.4.6	0.1.7.6.0 0.1.7.8.3 0.1.7.10.6 0.1.8.0.9	0.2.2.0.0 0.2.2.3.0 0.2.2.6.0 0.2.2.9.0	0.2.8.6.0 0.2.8.9.9 0.2.9.1.6 0.2.9.5.3	0.3.3.0.0 0.3.3.4.6 0.3.3.9.0 0.3.4.1.6	0.3.9.6.0 0.3.9.11.3 0.3.10.4.6 0.3.10.9.9	0.4.4.0.0 0.4.4.6.0 0.4.5.0.0 0.4.5.6.0	0.4.10.6.0 0.4.11.0.9 0.4.11.7.6 0.5.0.2.3	0.5.5.0.0 0.5.5.7.6 0.5.6.3.0 0.5.6.10.6	0.5.11.6.0 0.6.0.2.3 0.6.0.10.6 0.6.1.6.9	0.6.6.0.0 0.6.6.9.0 0.6.7.6.0 0.6.8.3.0
2.3.0 1/4 1/2 3/4	0.0.6.9.0 0.0.6.9.9 0.0.6.10.6 0.0.6.11.3	0.1.1.6.0 0.1.1.7.6 0.1.1.9.0 0.1.1.10.6	0.1.8.3.0 0.1.8.5.3 0.1.8.7.6 0.1.8.9.9	0.2.3.0.0 0.2.3.3.0 0.2.3.6.0 0.2.3.9.0	0.2.9.9.0 0.2.10.0.9 0.2.10.4.6 0.2.10.8.3	0.3.4.6.0 0.3.4.10.6 0.3.5.3.0 0.3.5.7.6	0.3.11.3.0 0.3.11.8.3 0.4.0.1.6 0.4.0.6.9	0.4.6.0.0 0.4.6.6.0 0.4.7.0.0 0.4.7.6.0	0.5.0.9.0 0.5.1.3.9 0.5.1.10.6 0.5.2.5.3	0.5.7.6.0 0.5.8.1.6 0.5.8.9.0 0.5.9.4.6	0.6.2.3.0 0.6.2.11.3 0.6.3.7.6 0.6.4.3.9	0.6.9.0.0 0.6.9.9.0 0.6.10.6.0 0.6.11.3.0
2.4.0 1/4 1/2 3/4	0.0.7.0.0 0.0.7.0.9 0.0.7.1.6 0.0.7.2.3	0.1.2.0.0 0.1.2.1.6 0.1.2.3.0 0.1.2.4.6	0.1.9.0.0 0.1.9.2.3 0.1.9.4.6 0.1.9.6.9	0.2.4.0.0 0.2.4.3.0 0.2.4.6.0 0.2.4.9.0	0.2.11.0.0 0.2.11.3.9 0.2.11.7.6 0.2.11.11.3	0.3.6.0.0 0.3.6.4.6 0.3.6.9.0 0.3.7.1.6	0.4.1.0.0 0.4.1.5.3 0.4.1.10.6 0.4.2.3.9	0.4.8.0.0 0.4.8.6.0 0.4.9.0.0 0.4.9.6.0	0.5.3.0.0 0.5.3.6.9 0.5.4.1.6 0.5.4.8.3	0.5.10.0.0 0.5.10.7.6 0.5.11.3.0 0.5.11.10.6	0.6.5.0.0 0.6.5.8.3 0.6.6.4.6 0.6.7.0.9	0.7.0.0.0 0.7.0.9.0 0.7.1.6.0 0.7.2.3.0
2.5.0 1/4 1/2 3/4	0.0.7.3.0 0.0.7.3.9 0.0.7.4.6 0.0.7.5.3	0.1.2.6.0 0.1.2.7.6 0.1.2.9.0 0.1.2.10.6	0.1.9.9.0 0.1.9.11.3 0.1.10.1.6 0.1.10.3.9	0.2.5.0.0 0.2.5.3.0 0.2.5.6.0 0.2.5.9.0	0.3.0.3.0 0.3.0.6.9 0.3.0.10.6 0.3.1.2.3	0.3.7.6.0 0.3.7.10.6 0.3.8.3.0 0.3.8.7.6	0.4.2.9.0 0.4.3.2.3 0.4.3.7.6 0.4.4.0.9	0.4.10.0.0 0.4.10.6.0 0.4.11.0.0 0.4.11.6.0	0.5.5.3.0 0.5.5.9.9 0.5.6.4.6 0.5.6.11.3	0.6.0.6.0 0.6.1.1.6 0.6.1.9.0 0.6.2.4.6	0.6.7.9.0 0.6.8.5.3 0.6.9.1.6 0.6.9.9.9	0.7.3.0.0 0.7.3.9.0 0.7.4.6.0 0.7.5.3.0

Rowland Computavit.

A TABLE OF FEET AND INCHES

from two foot six inches by one quarter of an inch to four foot eleven inches and three quarters by three inches

F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	0.0 ¼	0.0 ½	0.0 ¾	0.1.0	0.1 ¼	0.1 ½	0.1 ¾	0.2.0	0.2 ¼	0.2 ½	0.2 ¾	0.3.0
2.6.0	0.0.7.6.0	0.1.3.0.0	0.1.10.6.0	0.2.6.0.0	0.3.1.6.0	0.3.9.0.0	0.4.4.6.0	0.5.0.0.0	0.5.7.6.0	0.6.3.0.0	0.6.10.6.0	0.7.6.0.0
¼	0.0.7.6.9	0.1.3.1.6	0.1.10.8.3	0.2.6.3.0	0.3.1.9.9	0.3.9.4.6	0.4.4.11.3	0.5.0.6.0	0.5.8.0.9	0.6.3.7.6	0.6.11.2.3	0.7.6.9.0
½	0.0.7.7.6	0.1.3.3.0	0.1.10.10.6	0.2.6.6.0	0.3.2.1.6	0.3.9.9.0	0.4.5.4.6	0.5.1.0.0	0.5.8.7.6	0.6.4.3.0	0.6.11.10.6	0.7.7.6.0
¾	0.0.7.8.3	0.1.3.4.6	0.1.11.0.9	0.2.6.9.0	0.3.2.5.3	0.3.10.1.6	0.4.5.9.9	0.5.1.6.0	0.5.9.2.3	0.6.4.10.6	0.7.0.6.9	0.7.8.3.0
2.7.0	0.0.7.9.0	0.1.3.6.0	0.1.11.3.0	0.2.7.0.0	0.3.2.9.0	0.3.10.6.0	0.4.6.3.0	0.5.2.0.0	0.5.9.9.0	0.6.5.6.0	0.7.1.3.0	0.7.9.0.0
¼	0.0.7.9.9	0.1.3.7.6	0.1.11.5.3	0.2.7.3.0	0.3.3.0.9	0.3.10.10.6	0.4.6.8.3	0.5.2.6.0	0.5.10.3.9	0.6.6.1.6	0.7.1.11.3	0.7.9.9.0
½	0.0.7.10.6	0.1.3.9.0	0.1.11.7.6	0.2.7.6.0	0.3.3.4.6	0.3.11.3.0	0.4.7.1.6	0.5.3.0.0	0.5.10.10.6	0.6.6.9.0	0.7.2.7.6	0.7.10.6.0
¾	0.0.7.11.3	0.1.3.10.6	0.1.11.9.9	0.2.7.9.0	0.3.3.8.3	0.3.11.7.6	0.4.7.6.9	0.5.3.6.0	0.5.11.5.3	0.6.7.4.6	0.7.3.3.9	0.7.11.3.0
2.8.0	0.0.8.0.0	0.1.4.0.0	0.2.0.0.0	0.2.8.0.0	0.3.4.0.0	0.4.0.0.0	0.4.8.0.0	0.5.4.0.0	0.6.0.0.0	0.6.8.0.0	0.7.4.0.0	0.8.0.0.0
¼	0.0.8.0.9	0.1.4.1.6	0.2.0.2.3	0.2.8.3.0	0.3.4.3.9	0.4.0.4.6	0.4.8.5.3	0.5.4.6.0	0.6.0.6.9	0.6.8.7.6	0.7.4.8.3	0.8.0.9.0
½	0.0.8.1.6	0.1.4.3.0	0.2.0.4.6	0.2.8.6.0	0.3.4.7.6	0.4.0.9.0	0.4.8.10.6	0.5.5.0.0	0.6.1.1.6	0.6.9.3.0	0.7.5.4.6	0.8.1.6.0
¾	0.0.8.2.3	0.1.4.4.6	0.2.0.6.9	0.2.8.9.0	0.3.4.11.3	0.4.1.1.6	0.4.9.3.9	0.5.5.6.0	0.6.1.8.3	0.6.9.10.6	0.7.6.0.9	0.8.2.3.0
2.9.0	0.0.8.3.0	0.1.4.6.0	0.2.0.9.0	0.2.9.0.0	0.3.5.3.0	0.4.1.6.0	0.4.9.9.0	0.5.6.0.0	0.6.2.3.0	0.6.10.6.0	0.7.6.9.0	0.8.3.0.0
¼	0.0.8.3.9	0.1.4.7.6	0.2.0.11.3	0.2.9.3.0	0.3.5.6.9	0.4.1.10.6	0.4.10.2.3	0.5.6.6.0	0.6.2.9.9	0.6.11.1.6	0.7.7.5.3	0.8.3.9.0
½	0.0.8.4.6	0.1.4.9.0	0.2.1.1.6	0.2.9.6.0	0.3.5.10.6	0.4.2.3.0	0.4.10.7.6	0.5.7.0.0	0.6.3.4.6	0.6.11.9.0	0.7.8.1.6	0.8.4.6.0
¾	0.0.8.5.3	0.1.4.10.6	0.2.1.3.9	0.2.9.9.0	0.3.6.2.3	0.4.2.7.6	0.4.11.0.9	0.5.7.6.0	0.6.3.11.3	0.7.0.4.6	0.7.8.9.9	0.8.5.3.0
2.10.0	0.0.8.6.0	0.1.5.0.0	0.2.1.6.0	0.2.10.0.0	0.3.6.6.0	0.4.3.0.0	0.4.11.6.0	0.5.8.0.0	0.6.4.6.0	0.7.1.0.0	0.7.9.6.0	0.8.6.0.0
¼	0.0.8.6.9	0.1.5.1.6	0.2.1.8.3	0.2.10.3.0	0.3.6.9.9	0.4.3.4.6	0.4.11.11.3	0.5.8.6.0	0.6.5.0.9	0.7.1.7.6	0.7.10.2.3	0.8.6.9.0
½	0.0.8.7.6	0.1.5.3.0	0.2.1.10.6	0.2.10.6.0	0.3.7.1.6	0.4.3.9.0	0.5.0.4.6	0.5.9.0.0	0.6.5.7.6	0.7.2.3.0	0.7.10.10.6	0.8.7.6.0
¾	0.0.8.8.3	0.1.5.4.6	0.2.2.0.9	0.2.10.9.0	0.3.7.5.3	0.4.4.1.6	0.5.0.9.9	0.5.9.6.0	0.6.6.2.3	0.7.2.10.6	0.7.11.6.9	0.8.8.3.0
2.11.0	0.0.8.9.0	0.1.5.6.0	0.2.2.3.0	0.2.11.0.0	0.3.7.9.0	0.4.4.6.0	0.5.1.3.0	0.5.10.0.0	0.6.6.9.0	0.7.3.6.0	0.8.0.3.0	0.8.9.0.0
¼	0.0.8.9.9	0.1.5.7.6	0.2.2.5.3	0.2.11.3.0	0.3.8.0.9	0.4.4.10.6	0.5.1.8.3	0.5.10.6.0	0.6.7.3.9	0.7.4.1.6	0.8.0.11.3	0.8.9.9.0
½	0.0.8.10.6	0.1.5.9.0	0.2.2.7.6	0.2.11.6.0	0.3.8.4.6	0.4.5.3.0	0.5.2.1.6	0.5.11.0.0	0.6.7.10.6	0.7.4.9.0	0.8.1.7.6	0.8.10.6.0
¾	0.0.8.11.3	0.1.5.10.6	0.2.2.9.9	0.2.11.9.0	0.3.8.8.3	0.4.5.7.6	0.5.2.6.9	0.5.11.6.0	0.6.8.5.3	0.7.5.4.6	0.8.2.3.9	0.8.11.3.0
3.0.0	0.0.9.0.0	0.1.6.0.0	0.2.3.0.0	0.3.0.0.0	0.3.9.0.0	0.4.6.0.0	0.5.3.0.0	0.6.0.0.0	0.6.9.0.0	0.7.6.0.0	0.8.3.0.0	0.9.0.0.0
¼	0.0.9.0.9	0.1.6.1.6	0.2.3.2.3	0.3.0.3.0	0.3.9.3.9	0.4.6.4.6	0.5.3.5.3	0.6.0.6.0	0.6.9.6.9	0.7.6.7.6	0.8.3.8.3	0.9.0.9.0
½	0.0.9.1.6	0.1.6.3.0	0.2.3.4.6	0.3.0.6.0	0.3.9.7.6	0.4.6.9.0	0.5.3.10.6	0.6.1.0.0	0.6.10.1.6	0.7.7.3.0	0.8.4.4.6	0.9.1.6.0
¾	0.0.9.2.3	0.1.6.4.6	0.2.3.6.9	0.3.0.9.0	0.3.9.11.3	0.4.7.1.6	0.5.4.3.9	0.6.1.6.0	0.6.10.8.3	0.7.7.10.6	0.8.5.0.9	0.9.2.3.0
3.1.0	0.0.9.3.0	0.1.6.6.0	0.2.3.9.0	0.3.1.0.0	0.3.10.3.0	0.4.7.6.0	0.5.4.9.0	0.6.2.0.0	0.6.11.3.0	0.7.8.6.0	0.8.5.9.0	0.9.3.0.0
¼	0.0.9.3.9	0.1.6.7.6	0.2.3.11.3	0.3.1.3.0	0.3.10.6.9	0.4.7.10.6	0.5.5.2.3	0.6.2.6.0	0.6.11.9.9	0.7.9.1.6	0.8.6.5.3	0.9.3.9.0
½	0.0.9.4.6	0.1.6.9.0	0.2.4.1.6	0.3.1.6.0	0.3.10.10.6	0.4.8.3.0	0.5.5.7.6	0.6.3.0.0	0.7.0.4.6	0.7.9.9.0	0.8.7.1.6	0.9.4.6.0
¾	0.0.9.5.3	0.1.6.10.6	0.2.4.3.9	0.3.1.9.0	0.3.11.2.3	0.4.8.7.6	0.5.6.0.9	0.6.3.6.0	0.7.0.11.3	0.7.10.4.6	0.8.7.9.9	0.9.5.3.0
3.2.0	0.0.9.6.0	0.1.7.0.0	0.2.4.6.0	0.3.2.0.0	0.3.11.6.0	0.4.9.0.0	0.5.6.6.0	0.6.4.0.0	0.7.1.6.0	0.7.11.0.0	0.8.8.6.0	0.9.6.0.0
¼	0.0.9.6.9	0.1.7.1.6	0.2.4.8.3	0.3.2.3.0	0.3.11.9.9	0.4.9.4.6	0.5.6.11.3	0.6.4.6.0	0.7.2.0.9	0.7.11.7.6	0.8.9.2.3	0.9.6.9.0
½	0.0.9.7.6	0.1.7.3.0	0.2.4.10.6	0.3.2.6.0	0.4.0.1.6	0.4.9.9.0	0.5.7.4.6	0.6.5.0.0	0.7.2.7.6	0.8.0.3.0	0.8.9.10.6	0.9.7.6.0
¾	0.0.9.8.3	0.1.7.4.6	0.2.5.0.9	0.3.2.9.0	0.4.0.5.3	0.4.10.1.6	0.5.7.9.9	0.6.5.6.0	0.7.3.2.3	0.8.0.10.6	0.8.10.6.9	0.9.8.3.0
3.3.0	0.0.9.9.0	0.1.7.6.0	0.2.5.3.0	0.3.3.0.0	0.4.0.9.0	0.4.10.6.0	0.5.8.3.0	0.6.6.0.0	0.7.3.9.0	0.8.1.6.0	0.8.11.3.0	0.9.9.0.0
¼	0.0.9.9.9	0.1.7.7.6	0.2.5.5.3	0.3.3.3.0	0.4.1.0.9	0.4.10.10.6	0.5.8.8.3	0.6.6.6.0	0.7.4.3.9	0.8.2.1.6	0.8.11.11.3	0.9.9.9.0
½	0.0.9.10.6	0.1.7.9.0	0.2.5.7.6	0.3.3.6.0	0.4.1.4.6	0.4.11.3.0	0.5.9.1.6	0.6.7.0.0	0.7.4.10.6	0.8.2.9.0	0.9.0.7.6	0.9.10.6.0
¾	0.0.9.11.3	0.1.7.10.6	0.2.5.9.9	0.3.3.9.0	0.4.1.8.3	0.4.11.7.6	0.5.9.6.9	0.6.7.6.0	0.7.5.5.3	0.8.3.4.6	0.9.1.3.9	0.9.11.3.0
3.4.0	0.0.10.0.0	0.1.8.0.0	0.2.6.0.0	0.3.4.0.0	0.4.2.0.0	0.5.0.0.0	0.5.10.0.0	0.6.8.0.0	0.7.6.0.0	0.8.4.0.0	0.9.2.0.0	0.10.0.0.0
¼	0.0.10.0.9	0.1.8.1.6	0.2.6.2.3	0.3.4.3.0	0.4.2.3.9	0.5.0.4.6	0.5.10.5.3	0.6.8.6.0	0.7.6.6.9	0.8.4.7.6	0.9.2.8.3	0.10.0.9.0
½	0.0.10.1.6	0.1.8.3.0	0.2.6.4.6	0.3.4.6.0	0.4.2.7.6	0.5.0.9.0	0.5.10.10.6	0.6.9.0.0	0.7.7.1.6	0.8.5.3.0	0.9.3.4.6	0.10.1.6.0
¾	0.0.10.2.3	0.1.8.4.6	0.2.6.6.9	0.3.4.9.0	0.4.2.11.3	0.5.1.1.6	0.5.11.3.9	0.6.9.6.0	0.7.7.8.3	0.8.5.10.6	0.9.4.0.9	0.10.2.3.0
3.5.0	0.0.10.3.0	0.1.8.6.0	0.2.6.9.0	0.3.5.0.0	0.4.3.3.0	0.5.1.6.0	0.5.11.9.0	0.6.10.0.0	0.7.8.3.0	0.8.6.6.0	0.9.4.9.0	0.10.3.0.0
¼	0.0.10.3.9	0.1.8.7.6	0.2.6.11.3	0.3.5.3.0	0.4.3.6.9	0.5.1.10.6	0.6.0.2.3	0.6.10.6.0	0.7.8.9.9	0.8.7.1.6	0.9.5.5.3	0.10.3.9.0
½	0.0.10.4.6	0.1.8.9.0	0.2.7.1.6	0.3.5.6.0	0.4.3.10.6	0.5.2.3.0	0.6.0.7.6	0.6.11.0.0	0.7.9.4.6	0.8.7.9.0	0.9.6.1.6	0.10.4.6.0
¾	0.0.10.5.3	0.1.8.10.6	0.2.7.3.9	0.3.5.9.0	0.4.4.2.3	0.5.2.7.6	0.6.1.0.9	0.6.11.6.0	0.7.9.11.3	0.8.8.4.6	0.9.6.9.9	0.10.5.3.0
3.6.0	0.0.10.6.0	0.1.9.0.0	0.2.7.6.0	0.3.6.0.0	0.4.4.6.0	0.5.3.0.0	0.6.1.6.0	0.7.0.0.0	0.7.10.6.0	0.8.9.0.0	0.9.7.6.0	0.10.6.0.0
¼	0.0.10.6.9	0.1.9.1.6	0.2.7.8.3	0.3.6.3.0	0.4.4.9.9	0.5.3.4.6	0.6.1.11.3	0.7.0.6.0	0.7.11.0.9	0.8.9.7.6	0.9.8.2.3	0.10.6.9.0
½	0.0.10.7.6	0.1.9.3.0	0.2.7.10.6	0.3.6.6.0	0.4.5.1.6	0.5.3.9.0	0.6.2.4.6	0.7.1.0.0	0.7.11.7.6	0.8.10.3.0	0.9.8.10.6	0.10.7.6.0
¾	0.0.10.8.3	0.1.9.4.6	0.2.8.0.9	0.3.6.9.0	0.4.5.5.3	0.5.4.1.6	0.6.2.9.9	0.7.1.6.0	0.8.0.2.3	0.8.10.10.6	0.9.9.6.9	0.10.8.3.0
3.7.0	0.0.10.9.0	0.1.9.6.0	0.2.8.3.0	0.3.7.0.0	0.4.5.9.0	0.5.4.6.0	0.6.3.3.0	0.7.2.0.0	0.8.0.9.0	0.8.11.6.0	0.9.10.3.0	0.10.9.0.0
¼	0.0.10.9.9	0.1.9.7.6	0.2.8.5.3	0.3.7.3.0	0.4.6.0.9	0.5.4.10.6	0.6.3.8.3	0.7.2.6.0	0.8.1.3.9	0.9.0.1.6	0.9.10.11.3	0.10.9.9.0
½	0.0.10.10.6	0.1.9.9.0	0.2.8.7.6	0.3.7.6.0	0.4.6.4.6	0.5.5.3.0	0.6.4.1.6	0.7.3.0.0	0.8.1.10.6	0.9.0.9.0	0.9.11.7.6	0.10.10.6.0
¾	0.0.10.11.3	0.1.9.10.6	0.2.8.9.9	0.3.7.9.0	0.4.6.8.3	0.5.5.7.6	0.6.4.6.9	0.7.3.6.0	0.8.2.5.3	0.9.1.4.6	0.10.0.3.9	0.10.11.3.0
3.8.0	0.0.11.0.0	0.1.10.0.0	0.2.9.0.0	0.3.8.0.0	0.4.7.0.0	0.5.6.0.0	0.6.5.0.0	0.7.4.0.0	0.8.3.0.0	0.9.2.0.0	0.10.1.0.0	0.11.0.0.0
¼	0.0.11.0.9	0.1.10.1.6	0.2.9.2.3	0.3.8.3.0	0.4.7.3.9	0.5.6.4.6	0.6.5.5.3	0.7.4.6.0	0.8.3.6.9	0.9.2.7.6	0.10.1.8.3	0.11.0.9.0
½	0.0.11.1.6	0.1.10.3.0	0.2.9.4.6	0.3.8.6.0	0.4.7.7.6	0.5.6.9.0	0.6.5.10.6	0.7.5.0.0	0.8.4.1.6	0.9.3.3.0	0.10.2.4.6	0.11.1.6.0
¾	0.0.11.2.3	0.1.10.4.6	0.2.9.6.9	0.3.8.9.0	0.4.7.11.3	0.5.7.1.6	0.6.6.3.9	0.7.5.6.0	0.8.4.8.3	0.9.3.10.6	0.10.3.0.9	0.11.2.3.0
3.9.0	0.0.11.3.0	0.1.10.6.0	0.2.9.9.0	0.3.9.0.0	0.4.8.3.0	0.5.7.6.0	0.6.6.9.0	0.7.6.0.0	0.8.5.3.0	0.9.4.6.0	0.10.3.9.0	0.11.3.0.0
¼	0.0.11.3.9	0.1.10.7.6	0.2.9.11.3	0.3.9.3.0	0.4.8.6.9	0.5.7.10.6	0.6.7.2.3	0.7.6.6.0	0.8.5.9.9	0.9.5.1.6	0.10.4.5.3	0.11.3.9.0
½	0.0.11.4.6	0.1.10.9.0	0.2.10.1.6	0.3.9.6.0	0.4.8.10.6	0.5.8.3.0	0.6.7.7.6	0.7.7.0.0	0.8.6.4.6	0.9.5.9.0	0.10.5.1.6	0.11.4.6.0
¾	0.0.11.5.3	0.1.10.10.6	0.2.10.3.9	0.3.9.9.0	0.4.9.2.3	0.5.8.7.6	0.6.8.0.9	0.7.7.6.0	0.8.6.11.3	0.9.6.4.6	0.10.5.9.9	0.11.5.3.0
3.10.0	0.0.11.6.0	0.1.11.0.0	0.2.10.6.0	0.3.10.0.0	0.4.9.6.0	0.5.9.0.0	0.6.8.6.0	0.7.8.0.0	0.8.7.6.0	0.9.7.0.0	0.10.6.6.0	0.11.6.0.0
¼	0.0.11.6.9	0.1.11.1.6	0.2.10.8.3	0.3.10.3.0	0.4.9.9.9	0.5.9.4.6	0.6.8.11.3	0.7.8.6.0	0.8.8.0.9	0.9.7.7.6	0.10.7.2.3	0.11.6.9.0
½	0.0.11.7.6	0.1.11.3.0	0.2.10.10.6	0.3.10.6.0	0.4.10.1.6	0.5.9.9.0	0.6.9.4.6	0.7.9.0.0	0.8.8.7.6	0.9.8.3.0	0.10.7.10.6	0.11.7.6.0
¾	0.0.11.8.3	0.1.11.4.6	0.2.11.0.9	0.3.10.9.0	0.4.10.5.3	0.5.10.1.6	0.6.9.9.9	0.7.9.6.0	0.8.9.2.3	0.9.8.10.6	0.10.8.6.9	0.11.8.3.0
3.11.0	0.0.11.9.0	0.1.11.6.0	0.2.11.3.0	0.3.11.0.0	0.4.10.9.0	0.5.10.6.0	0.6.10.3.0	0.7.10.0.0	0.8.9.9.0	0.9.9.6.0	0.10.9.3.0	0.11.9.0.0
¼	0.0.11.9.9	0.1.11.7.6	0.2.11.5.3	0.3.11.3.0	0.4.11.0.9	0.5.10.10.6	0.6.10.8.3	0.7.10.6.0	0.8.10.3.9	0.9.10.1.6	0.10.9.11.3	0.11.9.9.0
½	0.0.11.10.6	0.1.11.9.0	0.2.11.7.6	0.3.11.6.0	0.4.11.4.6	0.5.11.3.0	0.6.11.1.6	0.7.11.0.0	0.8.10.10.6	0.9.10.9.0	0.10.10.7.6	0.11.10.6.0
¾	0.0.11.11.3	0.1.11.10.6	0.2.11.9.9	0.3.11.9.0	0.4.11.8.3	0.5.11.7.6	0.6.11.6.9	0.7.11.6.0	0.8.11.5.3	0.9.11.4.6	0.10.11.3.9	0.11.11.3.0
4.0.0	0.1.0.0.0	0.2.0.0.0	0.3.0.0.0	0.4.0.0.0	0.5.0.0.0	0.6.0.0.0	0.7.0.0.0	0.8.0.0.0	0.9.0.0.0	0.10.0.0.0	0.11.0.0.0	1.0.0.0.0
¼	0.1.0.0.9	0.2.0.1.6	0.3.0.2.3	0.4.0.3.0	0.5.0.3.9	0.6.0.4.6	0.7.0.5.3	0.8.0.6.0	0.9.0.6.9	0.10.0.7.6	0.11.0.8.3	1.0.0.9.0
½	0.1.0.1.6	0.2.0.3.0	0.3.0.4.6	0.4.0.6.0	0.5.0.7.6	0.6.0.9.0	0.7.0.10.6	0.8.1.0.0	0.9.1.1.6	0.10.1.3.0	0.11.1.4.6	1.0.1.6.0
¾	0.1.0.2.3	0.2.0.4.6	0.3.0.6.9	0.4.0.9.0	0.5.0.11.3	0.6.1.1.6	0.7.1.3.9	0.8.1.6.0	0.9.1.8.3	0.10.1.10.6	0.11.2.0.9	1.0.2.3.0
4.1.0	0.1.0.3.0	0.2.0.6.0	0.3.0.9.0	0.4.1.0.0	0.5.1.3.0	0.6.1.6.0	0.7.1.9.0	0.8.2.0.0	0.9.2.3.0	0.10.2.6.0	0.11.2.9.0	1.0.3.0.0
¼	0.1.0.3.9	0.2.0.7.6	0.3.0.11.3	0.4.1.3.0	0.5.1.6.9	0.6.1.10.6	0.7.2.2.3	0.8.2.6.0	0.9.2.9.9	0.10.3.1.6	0.11.3.5.3	1.0.3.9.0
½	0.1.0.4.6	0.2.0.9.0	0.3.1.1.6	0.4.1.6.0	0.5.1.10.6	0.6.2.3.0	0.7.2.7.6	0.8.3.0.0	0.9.3.4.6	0.10.3.9.0	0.11.4.1.6	1.0.4.6.0
¾	0.1.0.5.3	0.2.0.10.6	0.3.1.3.9	0.4.1.9.0	0.5.2.2.3	0.6.2.7.6	0.7.3.0.9	0.8.3.6.0	0.9.3.11.3	0.10.4.4.6	0.11.4.9.9	1.0.5.3.0
4.2.0	0.1.0.6.0	0.2.1.0.0	0.3.1.6.0	0.4.2.0.0	0.5.2.6.0	0.6.3.0.0	0.7.3.6.0	0.8.4.0.0	0.9.4.6.0	0.10.5.0.0	0.11.5.6.0	1.0.6.0.0
¼	0.1.0.6.9	0.2.1.1.6	0.3.1.8.3	0.4.2.3.0	0.5.2.9.9	0.6.3.4.6	0.7.3.11.3	0.8.4.6.0	0.9.5.0.9	0.10.5.7.6	0.11.6.2.3	1.0.6.9.0
½	0.1.0.7.6	0.2.1.3.0	0.3.1.10.6	0.4.2.6.0	0.5.3.1.6	0.6.3.9.0	0.7.4.4.6	0.8.5.0.0	0.9.5.7.6	0.10.6.3.0	0.11.6.10.6	1.0.7.6.0
¾	0.1.0.8.3	0.2.1.4.6	0.3.2.0.9	0.4.2.9.0	0.5.3.5.3	0.6.4.1.6	0.7.4.9.9	0.8.5.6.0	0.9.6.2.3	0.10.6.10.6	0.11.7.6.9	1.0.8.3.0
4.3.0	0.1.0.9.0	0.2.1.6.0	0.3.2.3.0	0.4.3.0.0	0.5.3.9.0	0.6.4.6.0	0.7.5.3.0	0.8.6.0.0	0.9.6.9.0	0.10.7.6.0	0.11.8.3.0	1.0.9.0.0
¼	0.1.0.9.9	0.2.1.7.6	0.3.2.5.3	0.4.3.3.0	0.5.4.0.9	0.6.4.10.6	0.7.5.8.3	0.8.6.6.0	0.9.7.3.9	0.10.8.1.6	0.11.8.11.3	1.0.9.9.0
½	0.1.0.10.6	0.2.1.9.0	0.3.2.7.6	0.4.3.6.0	0.5.4.4.6	0.6.5.3.0	0.7.6.1.6	0.8.7.0.0	0.9.7.10.6	0.10.8.9.0	0.11.9.7.6	1.0.10.6.0
¾	0.1.0.11.3	0.2.1.10.6	0.3.2.9.9	0.4.3.9.0	0.5.4.8.3	0.6.5.7.6	0.7.6.6.9	0.8.7.6.0	0.9.8.5.3	0.10.9.4.6	0.11.10.3.9	1.0.11.3.0
4.4.0	0.1.1.0.0	0.2.2.0.0	0.3.3.0.0	0.4.4.0.0	0.5.5.0.0	0.6.6.0.0	0.7.7.0.0	0.8.8.0.0	0.9.9.0.0	0.10.10.0.0	0.11.11.0.0	1.1.0.0.0
¼	0.1.1.0.9	0.2.2.1.6	0.3.3.2.3	0.4.4.3.0	0.5.5.3.9	0.6.6.4.6	0.7.7.5.3	0.8.8.6.0	0.9.9.6.9	0.10.10.7.6	0.11.11.8.3	1.1.0.9.0
½	0.1.1.1.6	0.2.2.3.0	0.3.3.4.6	0.4.4.6.0	0.5.5.7.6	0.6.6.9.0	0.7.7.10.6	0.8.9.0.0	0.9.10.1.6	0.10.11.3.0	1.0.0.4.6	1.1.1.6.0
¾	0.1.1.2.3	0.2.2.4.6	0.3.3.6.9	0.4.4.9.0	0.5.5.11.3	0.6.7.1.6	0.7.8.3.9	0.8.9.6.0	0.9.10.8.3	0.10.11.10.6	1.0.1.0.9	1.1.2.3.0
4.5.0	0.1.1.3.0	0.2.2.6.0	0.3.3.9.0	0.4.5.0.0	0.5.6.3.0	0.6.7.6.0	0.7.8.9.0	0.8.10.0.0	0.9.11.3.0	0.11.0.6.0	1.0.1.9.0	1.1.3.0.0
¼	0.1.1.3.9	0.2.2.7.6	0.3.3.11.3	0.4.5.3.0	0.5.6.6.9	0.6.7.10.6	0.7.9.2.3	0.8.10.6.0	0.9.11.9.9	0.11.1.1.6	1.0.2.5.3	1.1.3.9.0
½	0.1.1.4.6	0.2.2.9.0	0.3.4.1.6	0.4.5.6.0	0.5.6.10.6	0.6.8.3.0	0.7.9.7.6	0.8.11.0.0	0.10.0.4.6	0.11.1.9.0	1.0.3.1.6	1.1.4.6.0
¾	0.1.1.5.3	0.2.2.10.6	0.3.4.3.9	0.4.5.9.0	0.5.7.2.3	0.6.8.7.6	0.7.10.0.9	0.8.11.6.0	0.10.0.11.3	0.11.2.4.6	1.0.3.9.9	1.1.5.3.0
4.6.0	0.1.1.6.0	0.2.3.0.0	0.3.4.6.0	0.4.6.0.0	0.5.7.6.0	0.6.9.0.0	0.7.10.6.0	0.9.0.0.0	0.10.1.6.0	0.11.3.0.0	1.0.4.6.0	1.1.6.0.0
¼	0.1.1.6.9	0.2.3.1.6	0.3.4.8.3	0.4.6.3.0	0.5.7.9.9	0.6.9.4.6	0.7.10.11.3	0.9.0.6.0	0.10.2.0.9	0.11.3.7.6	1.0.5.2.3	1.1.6.9.0
½	0.1.1.7.6	0.2.3.3.0	0.3.4.10.6	0.4.6.6.0	0.5.8.1.6	0.6.9.9.0	0.7.11.4.6	0.9.1.0.0	0.10.2.7.6	0.11.4.3.0	1.0.5.10.6	1.1.7.6.0
¾	0.1.1.8.3	0.2.3.4.6	0.3.5.0.9	0.4.6.9.0	0.5.8.5.3	0.6.10.1.6	0.7.11.9.9	0.9.1.6.0	0.10.3.2.3	0.11.4.10.6	1.0.6.6.9	1.1.8.3.0
4.7.0	0.1.1.9.0	0.2.3.6.0	0.3.5.3.0	0.4.7.0.0	0.5.8.9.0	0.6.10.6.0	0.8.0.3.0	0.9.2.0.0	0.10.3.9.0	0.11.5.6.0	1.0.7.3.0	1.1.9.0.0
¼	0.1.1.9.9	0.2.3.7.6	0.3.5.5.3	0.4.7.3.0	0.5.9.0.9	0.6.10.10.6	0.8.0.8.3	0.9.2.6.0	0.10.4.3.9	0.11.6.1.6	1.0.7.11.3	1.1.9.9.0
½	0.1.1.10.6	0.2.3.9.0	0.3.5.7.6	0.4.7.6.0	0.5.9.4.6	0.6.11.3.0	0.8.1.1.6	0.9.3.0.0	0.10.4.10.6	0.11.6.9.0	1.0.8.7.6	1.1.10.6.0
¾	0.1.1.11.3	0.2.3.10.6	0.3.5.9.9	0.4.7.9.0	0.5.9.8.3	0.6.11.7.6	0.8.1.6.9	0.9.3.6.0	0.10.5.5.3	0.11.7.4.6	1.0.9.3.9	1.1.11.3.0
4.8.0	0.1.2.0.0	0.2.4.0.0	0.3.6.0.0	0.4.8.0.0	0.5.10.0.0	0.7.0.0.0	0.8.2.0.0	0.9.4.0.0	0.10.6.0.0	0.11.8.0.0	1.0.10.0.0	1.2.0.0.0
¼	0.1.2.0.9	0.2.4.1.6	0.3.6.2.3	0.4.8.3.0	0.5.10.3.9	0.7.0.4.6	0.8.2.5.3	0.9.4.6.0	0.10.6.6.9	0.11.8.7.6	1.0.10.8.3	1.2.0.9.0
½	0.1.2.1.6	0.2.4.3.0	0.3.6.4.6	0.4.8.6.0	0.5.10.7.6	0.7.0.9.0	0.8.2.10.6	0.9.5.0.0	0.10.7.1.6	0.11.9.3.0	1.0.11.4.6	1.2.1.6.0
¾	0.1.2.2.3	0.2.4.4.6	0.3.6.6.9	0.4.8.9.0	0.5.10.11.3	0.7.1.1.6	0.8.3.3.9	0.9.5.6.0	0.10.7.8.3	0.11.9.10.6	1.1.0.0.9	1.2.2.3.0
4.9.0	0.1.2.3.0	0.2.4.6.0	0.3.6.9.0	0.4.9.0.0	0.5.11.3.0	0.7.1.6.0	0.8.3.9.0	0.9.6.0.0	0.10.8.3.0	0.11.10.6.0	1.1.0.9.0	1.2.3.0.0
¼	0.1.2.3.9	0.2.4.7.6	0.3.6.11.3	0.4.9.3.0	0.5.11.6.9	0.7.1.10.6	0.8.4.2.3	0.9.6.6.0	0.10.8.9.9	0.11.11.1.6	1.1.1.5.3	1.2.3.9.0
½	0.1.2.4.6	0.2.4.9.0	0.3.7.1.6	0.4.9.6.0	0.5.11.10.6	0.7.2.3.0	0.8.4.7.6	0.9.7.0.0	0.10.9.4.6	0.11.11.9.0	1.1.2.1.6	1.2.4.6.0
¾	0.1.2.5.3	0.2.4.10.6	0.3.7.3.9	0.4.9.9.0	0.6.0.2.3	0.7.2.7.6	0.8.5.0.9	0.9.7.6.0	0.10.9.11.3	0.0.0.4.6	1.1.2.9.9	1.2.5.3.0
4.10.0	0.1.2.6.0	0.2.5.0.0	0.3.7.6.0	0.4.10.0.0	0.6.0.6.0	0.7.3.0.0	0.8.5.6.0	0.9.8.0.0	0.10.10.6.0	1.0.1.0.0	1.1.3.6.0	1.2.6.0.0
¼	0.1.2.6.9	0.2.5.1.6	0.3.7.8.3	0.4.10.3.0	0.6.0.9.9	0.7.3.4.6	0.8.5.11.3	0.9.8.6.0	0.10.11.0.9	1.0.1.7.6	1.1.4.2.3	1.2.6.9.0
½	0.1.2.7.6	0.2.5.3.0	0.3.7.10.6	0.4.10.6.0	0.6.1.1.6	0.7.3.9.0	0.8.6.4.6	0.9.9.0.0	0.10.11.7.6	1.0.2.3.0	1.1.4.10.6	1.2.7.6.0
¾	0.1.2.8.3	0.2.5.4.6	0.3.8.0.9	0.4.10.9.0	0.6.1.5.3	0.7.4.1.6	0.8.6.9.9	0.9.9.6.0	0.11.0.2.3	1.0.2.10.6	1.1.5.6.9	1.2.8.3.0
4.11.0	0.1.2.9.0	0.2.5.6.0	0.3.8.3.0	0.4.11.0.0	0.6.1.9.0	0.7.4.6.0	0.8.7.3.0	0.9.10.0.0	0.11.0.9.0	1.0.3.6.0	1.1.6.3.0	1.2.9.0.0
¼	0.1.2.9.9	0.2.5.7.6	0.3.8.5.3	0.4.11.3.0	0.6.2.0.9	0.7.4.10.6	0.8.7.8.3	0.9.10.6.0	0.11.1.3.9	1.0.4.1.6	1.1.6.11.3	1.2.9.9.0
½	0.1.2.10.6	0.2.5.9.0	0.3.8.7.6	0.4.11.6.0	0.6.2.4.6	0.7.5.3.0	0.8.8.1.6	0.9.11.0.0	0.11.1.10.6	1.0.4.9.0	1.1.7.7.6	1.2.10.6.0
¾	0.1.2.11.3	0.2.5.10.6	0.3.8.9.9	0.4.11.9.0	0.6.2.8.3	0.7.5.7.6	0.8.8.6.9	0.9.11.6.0	0.11.2.5.3	1.0.5.4.6	1.1.8.3.9	1.2.11.3.0

A TABLE OF FEET AND INCHES

from five foot by one quarter of an inch to seven foot five inches and three quarters by three inches

F.I.Parts	F.I.Parts 0.0.¼	F.I.Parts 0.0.½	F.I.Parts 0.0.¾	F.I.Parts 0.1.0	F.I.Parts 0.1.¼	F.I.Parts 0.1.½	F.I.Parts 0.1.¾	F.I.Parts 0.2.0	F.I.Parts 0.2.¼	F.I.Parts 0.2.½	F.I.Parts 0.2.¾	F.I.Parts 0.3.0
5.0.0	0.1.3.0.0	0.2.6.0.0	0.3.9.0.0	0.5.0.0.0	0.6.3.0.0	0.7.6.0.0	0.8.9.0.0	0.10.0.0.0	0.11.3.0.0	1.0.6.0.0	1.1.9.0.0	1.3.0.0.0
¼	0.1.3.0.9	0.2.6.1.6	0.3.9.2.3	0.5.0.3.0	0.6.3.3.9	0.7.6.4.6	0.8.9.5.3	0.10.0.6.0	0.11.3.6.9	1.0.6.7.6	1.1.9.8.3	1.3.0.9.0
½	0.1.3.1.6	0.2.6.3.0	0.3.9.4.6	0.5.0.6.0	0.6.3.7.6	0.7.6.9.0	0.8.9.10.0	0.10.1.0.0	0.11.4.1.6	1.0.7.3.0	1.1.10.4.6	1.3.1.6.0
¾	0.1.3.2.3	0.2.6.4.6	0.3.9.6.9	0.5.0.9.0	0.6.3.11.3	0.7.7.1.6	0.8.10.3.9	0.10.1.6.0	0.11.4.8.3	1.0.7.10.6	1.1.11.0.9	1.3.2.3.0
5.1.0	0.1.3.3.0	0.2.6.6.0	0.3.9.9.0	0.5.1.0.0	0.6.4.3.0	0.7.7.6.0	0.8.10.9.0	0.10.2.0.0	0.11.5.3.0	1.0.8.6.0	1.1.11.9.0	1.3.3.0.0
¼	0.1.3.3.9	0.2.6.7.6	0.3.9.11.3	0.5.1.3.0	0.6.4.6.9	0.7.7.10.6	0.8.11.2.3	0.10.2.6.0	0.11.5.9.9	1.0.9.1.6	1.2.0.5.3	1.3.3.9.0
½	0.1.3.4.6	0.2.6.9.0	0.3.10.1.6	0.5.1.6.0	0.6.4.10.6	0.7.8.3.0	0.8.11.7.6	0.10.3.0.0	0.11.6.4.6	1.0.9.9.0	1.2.1.1.6	1.3.4.6.0
¾	0.1.3.5.3	0.2.6.10.6	0.3.10.3.9	0.5.1.9.0	0.6.5.2.3	0.7.8.7.6	0.9.0.0.9	0.10.3.6.0	0.11.6.11.3	1.0.10.4.6	1.2.1.9.9	1.3.5.3.0
5.2.0	0.1.3.6.0	0.2.7.0.0	0.3.10.6.0	0.5.2.0.0	0.6.5.6.0	0.7.9.0.0	0.9.0.6.0	0.10.4.0.0	0.11.7.6.0	1.0.11.0.0	1.2.2.6.0	1.3.6.0.0
¼	0.1.3.6.9	0.2.7.1.6	0.3.10.8.3	0.5.2.3.0	0.6.5.9.9	0.7.9.4.6	0.9.0.11.3	0.10.4.6.0	0.11.8.0.9	1.0.11.7.6	1.2.3.2.3	1.3.6.9.0
½	0.1.3.7.6	0.2.7.3.0	0.3.10.10.6	0.5.2.6.0	0.6.6.1.6	0.7.9.9.0	0.9.1.4.6	0.10.5.0.0	0.11.8.7.6	1.1.0.3.0	1.2.3.10.6	1.3.7.6.0
¾	0.1.3.8.3	0.2.7.4.6	0.3.11.0.9	0.5.2.9.0	0.6.6.5.3	0.7.10.1.6	0.9.1.9.9	0.10.5.6.0	0.11.9.2.3	1.1.0.10.6	1.2.4.6.9	1.3.8.3.0
5.3.0	0.1.3.9.0	0.2.7.6.0	0.3.11.3.0	0.5.3.0.0	0.6.6.9.0	0.7.10.6.0	0.9.2.3.0	0.10.6.0.0	0.11.9.9.0	1.1.1.6.0	1.2.5.3.0	1.3.9.0.0
¼	0.1.3.9.9	0.2.7.7.6	0.3.11.5.3	0.5.3.3.0	0.6.7.0.9	0.7.10.10.6	0.9.2.8.3	0.10.6.6.0	0.11.10.3.9	1.1.2.1.6	1.2.5.11.3	1.3.9.9.0
½	0.1.3.10.6	0.2.7.9.0	0.3.11.7.6	0.5.3.6.0	0.6.7.4.6	0.7.11.3.0	0.9.3.1.6	0.10.7.0.0	0.11.10.10.6	1.1.2.9.0	1.2.6.7.6	1.3.10.6.0
¾	0.1.3.11.3	0.2.7.10.6	0.3.11.9.9	0.5.3.9.0	0.6.7.8.3	0.7.11.7.6	0.9.3.6.9	0.10.7.6.0	0.11.11.5.3	1.1.3.4.6	1.2.7.3.9	1.3.11.3.0
5.4.0	0.1.4.0.0	0.2.8.0.0	0.4.0.0.0	0.5.4.0.0	0.6.8.0.0	0.8.0.0.0	0.9.4.0.0	0.10.8.0.0	1.0.0.0.0	1.1.4.0.0	1.2.8.0.0	1.4.0.0.0
¼	0.1.4.0.9	0.2.8.1.6	0.4.0.2.3	0.5.4.3.0	0.6.8.3.9	0.8.0.4.6	0.9.4.5.3	0.10.8.6.0	1.0.0.6.9	1.1.4.7.6	1.2.8.8.3	1.4.0.9.0
½	0.1.4.1.6	0.2.8.3.0	0.4.0.4.6	0.5.4.6.0	0.6.8.7.6	0.8.0.9.0	0.9.4.10.6	0.10.9.0.0	1.0.1.1.6	1.1.5.3.0	1.2.9.4.6	1.4.1.6.0
¾	0.1.4.2.3	0.2.8.4.6	0.4.0.6.9	0.5.4.9.0	0.6.8.11.3	0.8.1.1.6	0.9.5.3.9	0.10.9.6.0	1.0.1.8.3	1.1.5.10.6	1.2.10.0.9	1.4.2.3.0
5.5.0	0.1.4.3.0	0.2.8.6.0	0.4.0.9.0	0.5.5.0.0	0.6.9.3.0	0.8.1.6.0	0.9.5.9.0	0.10.10.0.0	1.0.2.3.0	1.1.6.6.0	1.2.10.9.0	1.4.3.0.0
¼	0.1.4.3.9	0.2.8.7.6	0.4.0.11.3	0.5.5.3.0	0.6.9.6.9	0.8.1.10.6	0.9.6.2.3	0.10.10.6.0	1.0.2.9.9	1.1.7.1.6	1.2.11.5.3	1.4.3.9.0
½	0.1.4.4.6	0.2.8.9.0	0.4.1.1.6	0.5.5.6.0	0.6.9.10.6	0.8.2.3.0	0.9.6.7.6	0.10.11.0.0	1.0.3.4.6	1.1.7.9.0	1.3.0.1.6	1.4.4.6.0
¾	0.1.4.5.3	0.2.8.10.6	0.4.1.3.9	0.5.5.9.0	0.6.10.2.3	0.8.2.7.6	0.9.7.0.9	0.10.11.6.0	1.0.3.11.3	1.1.8.4.6	1.3.0.9.9	1.4.5.3.0
5.6.0	0.1.4.6.0	0.2.9.0.0	0.4.1.6.0	0.5.6.0.0	0.6.10.6.0	0.8.3.0.0	0.9.7.6.0	0.11.0.0.0	1.0.4.6.0	1.1.9.0.0	1.3.1.6.0	1.4.6.0.0
¼	0.1.4.6.9	0.2.9.1.6	0.4.1.8.3	0.5.6.3.0	0.6.10.9.9	0.8.3.4.6	0.9.7.11.3	0.11.0.6.0	1.0.5.0.9	1.1.9.7.6	1.3.2.2.3	1.4.6.9.0
½	0.1.4.7.6	0.2.9.3.0	0.4.1.10.6	0.5.6.6.0	0.6.11.1.6	0.8.3.9.0	0.9.8.4.6	0.11.1.0.0	1.0.5.7.6	1.1.10.3.0	1.3.2.10.6	1.4.7.6.0
¾	0.1.4.8.3	0.2.9.4.6	0.4.2.0.9	0.5.6.9.0	0.6.11.5.3	0.8.4.1.6	0.9.8.9.9	0.11.1.6.0	1.0.6.2.3	1.1.10.10.6	1.3.3.6.9	1.4.8.3.0
5.7.0	0.1.4.9.0	0.2.9.6.0	0.4.2.3.0	0.5.7.0.0	0.6.11.9.0	0.8.4.6.0	0.9.9.3.0	0.11.2.0.0	1.0.6.9.0	1.1.11.6.0	1.3.4.3.0	1.4.9.0.0
¼	0.1.4.9.9	0.2.9.7.6	0.4.2.5.3	0.5.7.3.0	0.7.0.0.9	0.8.4.10.6	0.9.9.8.3	0.11.2.6.0	1.0.7.3.9	1.2.0.1.6	1.3.4.11.3	1.4.9.9.0
½	0.1.4.10.6	0.2.9.9.0	0.4.2.7.6	0.5.7.6.0	0.7.0.4.6	0.8.5.3.0	0.9.10.1.6	0.11.3.0.0	1.0.7.10.6	1.2.0.9.0	1.3.5.7.6	1.4.10.6.0
¾	0.1.4.11.3	0.2.9.10.6	0.4.2.9.9	0.5.7.9.0	0.7.0.8.3	0.8.5.7.6	0.9.10.6.9	0.11.3.6.0	1.0.8.5.3	1.2.1.4.6	1.3.6.3.9	1.4.11.3.0
5.8.0	0.1.5.0.0	0.2.10.0.0	0.4.3.0.0	0.5.8.0.0	0.7.1.0.0	0.8.6.0.0	0.9.11.0.0	0.11.4.0.0	1.0.9.0.0	1.2.2.0.0	1.3.7.0.0	1.5.0.0.0
¼	0.1.5.0.9	0.2.10.1.6	0.4.3.2.3	0.5.8.3.0	0.7.1.3.9	0.8.6.4.6	0.9.11.5.3	0.11.4.6.0	1.0.9.6.9	1.2.2.7.6	1.3.7.8.3	1.5.0.9.0
½	0.1.5.1.6	0.2.10.3.0	0.4.3.4.6	0.5.8.6.0	0.7.1.7.6	0.8.6.9.0	0.9.11.10.6	0.11.5.0.0	1.0.10.1.6	1.2.3.3.0	1.3.8.4.6	1.5.1.6.0
¾	0.1.5.2.3	0.2.10.4.6	0.4.3.6.9	0.5.8.9.0	0.7.1.11.3	0.8.7.1.6	0.10.0.3.9	0.11.5.6.0	1.0.10.8.3	1.2.3.10.6	1.3.9.0.9	1.5.2.3.0
5.9.0	0.1.5.3.0	0.2.10.6.0	0.4.3.9.0	0.5.9.0.0	0.7.2.3.0	0.8.7.6.0	0.10.0.9.0	0.11.6.0.0	1.0.11.3.0	1.2.4.6.0	1.3.9.9.0	1.5.3.0.0
¼	0.1.5.3.9	0.2.10.7.6	0.4.3.11.3	0.5.9.3.0	0.7.2.6.9	0.8.7.10.6	0.10.1.2.3	0.11.6.6.0	1.0.11.9.9	1.2.5.1.6	1.3.10.5.3	1.5.3.9.0
½	0.1.5.4.6	0.2.10.9.0	0.4.4.1.6	0.5.9.6.0	0.7.2.10.6	0.8.8.3.0	0.10.1.7.6	0.11.7.0.0	1.1.0.4.6	1.2.5.9.0	1.3.11.1.6	1.5.4.6.0
¾	0.1.5.5.3	0.2.10.10.6	0.4.4.3.9	0.5.9.9.0	0.7.3.2.3	0.8.8.7.6	0.10.2.0.9	0.11.7.6.0	1.1.0.11.3	1.2.6.4.6	1.3.11.9.9	1.5.5.3.0
5.10.0	0.1.5.6.0	0.2.11.0.0	0.4.4.6.0	0.5.10.0.0	0.7.3.6.0	0.8.9.0.0	0.10.2.6.0	0.11.8.0.0	1.1.1.6.0	1.2.7.0.0	1.4.0.6.0	1.5.6.0.0
¼	0.1.5.6.9	0.2.11.1.6	0.4.4.8.3	0.5.10.3.0	0.7.3.9.9	0.8.9.4.6	0.10.2.11.3	0.11.8.6.0	1.1.2.0.9	1.2.7.7.6	1.4.1.2.3	1.5.6.9.0
½	0.1.5.7.6	0.2.11.3.0	0.4.4.10.6	0.5.10.6.0	0.7.4.1.6	0.8.9.9.0	0.10.3.4.6	0.11.9.0.0	1.1.2.7.6	1.2.8.3.0	1.4.1.10.6	1.5.7.6.0
¾	0.1.5.8.3	0.2.11.4.6	0.4.5.0.9	0.5.10.9.0	0.7.4.5.3	0.8.10.1.6	0.10.3.9.9	0.11.9.6.0	1.1.3.2.3	1.2.8.10.6	1.4.2.6.9	1.5.8.3.0
5.11.0	0.1.5.9.0	0.2.11.6.0	0.4.5.3.0	0.5.11.0.0	0.7.4.9.0	0.8.10.6.0	0.10.4.3.0	0.11.10.0.0	1.1.3.9.0	1.2.9.6.0	1.4.3.3.0	1.5.9.0.0
¼	0.1.5.9.9	0.2.11.7.6	0.4.5.5.3	0.5.11.3.0	0.7.5.0.9	0.8.10.10.6	0.10.4.8.3	0.11.10.6.0	1.1.4.3.9	1.2.10.1.6	1.4.3.11.3	1.5.9.9.0
½	0.1.5.10.6	0.2.11.9.0	0.4.5.7.6	0.5.11.6.0	0.7.5.4.6	0.8.11.3.0	0.10.5.1.6	0.11.11.0.0	1.1.4.10.6	1.2.10.9.0	1.4.4.7.6	1.5.10.6.0
¾	0.1.5.11.3	0.2.11.10.6	0.4.5.9.9	0.5.11.9.0	0.7.5.8.3	0.8.11.7.6	0.10.5.6.9	0.11.11.6.0	1.1.5.5.3	1.2.11.4.6	1.4.5.3.9	1.5.11.3.0
6.0.0	0.1.6.0.0	0.3.0.0.0	0.4.6.0.0	0.6.0.0.0	0.7.6.0.0	0.9.0.0.0	0.10.6.0.0	1.0.0.0.0	1.1.6.0.0	1.3.0.0.0	1.4.6.0.0	1.6.0.0.0
¼	0.1.6.0.9	0.3.0.1.6	0.4.6.2.3	0.6.0.3.0	0.7.6.3.9	0.9.0.4.6	0.10.6.5.3	1.0.0.6.0	1.1.6.6.9	1.3.0.7.6	1.4.6.8.3	1.6.0.9.0
½	0.1.6.1.6	0.3.0.3.0	0.4.6.4.6	0.6.0.6.0	0.7.6.7.6	0.9.0.9.0	0.10.6.10.6	1.0.1.0.0	1.1.7.1.6	1.3.1.3.0	1.4.7.4.6	1.6.1.6.0
¾	0.1.6.2.3	0.3.0.4.6	0.4.6.6.9	0.6.0.9.0	0.7.6.11.3	0.9.1.1.6	0.10.7.3.9	1.0.1.6.0	1.1.7.8.3	1.3.1.10.6	1.4.8.0.9	1.6.2.3.0
6.1.0	0.1.6.3.0	0.3.0.6.0	0.4.6.9.0	0.6.1.0.0	0.7.7.3.0	0.9.1.6.0	0.10.7.9.0	1.0.2.0.0	1.1.8.3.0	1.3.2.6.0	1.4.8.9.0	1.6.3.0.0
¼	0.1.6.3.9	0.3.0.7.6	0.4.6.11.3	0.6.1.3.0	0.7.7.6.9	0.9.1.10.6	0.10.8.2.3	1.0.2.6.0	1.1.8.9.9	1.3.3.1.6	1.4.9.5.3	1.6.3.9.0
½	0.1.6.4.6	0.3.0.9.0	0.4.7.1.6	0.6.1.6.0	0.7.7.10.6	0.9.2.3.0	0.10.8.7.6	1.0.3.0.0	1.1.9.4.6	1.3.3.9.0	1.4.10.1.6	1.6.4.6.0
¾	0.1.6.5.3	0.3.0.10.6	0.4.7.3.9	0.6.1.9.0	0.7.8.2.3	0.9.2.7.6	0.10.9.0.9	1.0.3.6.0	1.1.9.11.3	1.3.4.4.6	1.4.10.9.9	1.6.5.3.0
6.2.0	0.1.6.6.0	0.3.1.0.0	0.4.7.6.0	0.6.2.0.0	0.7.8.6.0	0.9.3.0.0	0.10.9.6.0	1.0.4.0.0	1.1.10.6.0	1.3.5.0.0	1.4.11.6.0	1.6.6.0.0
¼	0.1.6.6.9	0.3.1.1.6	0.4.7.8.3	0.6.2.3.0	0.7.8.9.9	0.9.3.4.6	0.10.9.11.3	1.0.4.6.0	1.1.11.0.9	1.3.5.7.6	1.5.0.2.3	1.6.6.9.0
½	0.1.6.7.6	0.3.1.3.0	0.4.7.10.6	0.6.2.6.0	0.7.9.1.6	0.9.3.9.0	0.10.10.4.6	1.0.5.0.0	1.1.11.7.6	1.3.6.3.0	1.5.0.10.6	1.6.7.6.0
¾	0.1.6.8.3	0.3.1.4.6	0.4.8.0.9	0.6.2.9.0	0.7.9.5.3	0.9.4.1.6	0.10.10.9.9	1.0.5.6.0	1.2.0.2.3	1.3.6.10.6	1.5.1.6.9	1.6.8.3.0
6.3.0	0.1.6.9.0	0.3.1.6.0	0.4.8.3.0	0.6.3.0.0	0.7.9.9.0	0.9.4.6.0	0.10.11.3.0	1.0.6.0.0	1.2.0.9.0	1.3.7.6.0	1.6.2.3.0	1.6.9.0.0
¼	0.1.6.9.9	0.3.1.7.6	0.4.8.5.3	0.6.3.3.0	0.7.10.0.9	0.9.4.10.6	0.10.11.8.3	1.0.6.6.0	1.2.1.3.9	1.3.8.1.6	1.5.2.11.3	1.6.9.9.0
½	0.1.6.10.6	0.3.1.9.0	0.4.8.7.6	0.6.3.6.0	0.7.10.4.6	0.9.5.3.0	0.11.0.1.6	1.0.7.0.0	1.2.1.10.6	1.3.8.9.0	1.5.3.7.6	1.6.10.6.0
¾	0.1.6.11.3	0.3.1.10.6	0.4.8.9.9	0.6.3.9.0	0.7.10.8.3	0.9.5.7.6	0.11.0.6.9	1.0.7.6.0	1.2.2.5.3	1.3.9.4.6	1.5.4.3.9	1.6.11.3.0
6.4.0	0.1.7.9.0	0.3.2.0.0	0.4.9.0.0	0.6.4.0.0	0.7.11.0.0	0.9.6.0.0	0.11.1.0.0	1.0.8.0.0	1.2.3.0.0	1.3.10.0.0	1.5.5.0.0	1.7.0.0.0
¼	0.1.7.0.9	0.3.2.1.6	0.4.9.2.3	0.6.4.3.0	0.7.11.3.9	0.9.6.4.6	0.11.1.5.3	1.0.8.6.0	1.2.3.6.9	1.3.10.7.6	1.5.5.8.3	1.7.0.9.0
½	0.1.7.1.6	0.3.2.3.0	0.4.9.4.6	0.6.4.6.0	0.7.11.7.6	0.9.6.9.0	0.11.1.10.6	1.0.9.0.0	1.2.4.1.6	1.3.11.3.0	1.5.6.4.6	1.7.1.6.0
¾	0.1.7.2.3	0.3.2.4.6	0.4.9.6.9	0.6.4.9.0	0.7.11.11.3	0.9.7.1.6	0.11.2.3.9	1.0.9.6.0	1.2.4.8.3	1.3.11.10.6	1.5.7.0.9	1.7.2.3.0
6.5.0	0.1.7.3.0	0.3.2.6.0	0.4.9.9.0	0.6.5.0.0	0.8.0.3.0	0.9.7.6.0	0.11.2.9.0	1.0.10.0.0	1.2.5.3.0	1.4.0.6.0	1.5.7.9.0	1.7.3.0.0
¼	0.1.7.3.9	0.3.2.7.6	0.4.9.11.3	0.6.5.3.0	0.8.0.6.9	0.9.7.10.6	0.11.3.2.3	1.0.10.6.0	1.2.5.9.9	1.4.1.1.6	1.5.8.5.3	1.7.3.9.0
½	0.1.7.4.6	0.3.2.9.0	0.4.10.1.6	0.6.5.6.0	0.8.0.10.6	0.9.8.3.0	0.11.3.7.6	1.0.11.0.0	1.2.6.4.6	1.4.1.9.0	1.5.9.1.6	1.7.4.6.0
¾	0.1.7.5.3	0.3.2.10.6	0.4.10.3.9	0.6.5.9.0	0.8.1.2.3	0.9.8.7.6	0.11.4.0.9	1.0.11.6.0	1.2.6.11.3	1.4.2.4.6	1.5.9.9.9	1.7.5.3.0
6.6.0	0.1.7.6.0	0.3.3.0.0	0.4.10.6.0	0.6.6.0.0	0.8.1.6.0	0.9.9.0.0	0.11.4.6.0	1.1.0.0.0	1.2.7.6.0	1.4.3.0.0	1.5.10.6.0	1.7.6.0.0
¼	0.1.7.6.9	0.3.3.1.6	0.4.10.8.3	0.6.6.3.0	0.8.1.9.9	0.9.9.4.6	0.11.4.11.3	1.1.0.6.0	1.2.8.0.9	1.4.3.7.6	1.5.11.2.3	1.7.6.9.0
½	0.1.7.7.6	0.3.3.3.0	0.4.10.10.6	0.6.6.6.0	0.8.2.1.6	0.9.9.9.0	0.11.5.4.6	1.1.1.0.0	1.2.8.7.6	1.4.4.3.0	1.5.11.10.6	1.7.7.6.0
¾	0.1.7.8.3	0.3.3.4.6	0.4.11.0.9	0.6.6.9.0	0.8.2.5.3	0.9.10.1.6	0.11.5.9.9	1.1.1.6.0	1.2.9.2.3	1.4.4.10.6	1.6.0.6.9	1.7.8.3.0
6.7.0	0.1.7.9.0	0.3.3.6.0	0.4.11.3.0	0.6.7.0.0	0.8.2.9.0	0.9.10.6.0	0.11.6.3.0	1.1.2.0.0	1.2.9.9.0	1.4.5.6.0	1.6.1.3.0	1.7.9.0.0
¼	0.1.7.9.9	0.3.3.7.6	0.4.11.5.3	0.6.7.3.0	0.8.3.0.9	0.9.10.10.6	0.11.6.8.3	1.1.2.6.0	1.2.10.3.9	1.4.6.1.6	1.6.1.11.3	1.7.9.9.0
½	0.1.7.10.6	0.3.3.9.0	0.4.11.7.6	0.6.7.6.0	0.8.3.4.6	0.9.11.3.0	0.11.7.1.6	1.1.3.0.0	1.2.10.10.6	1.4.6.9.0	1.6.2.7.6	1.7.10.6.0
¾	0.1.7.11.3	0.3.3.10.6	0.4.11.9.9	0.6.7.9.0	0.8.3.8.3	0.9.11.7.6	0.11.7.6.9	1.1.3.6.0	1.2.11.5.3	1.4.7.4.6	1.6.3.3.9	1.7.11.3.0
6.8.0	0.1.8.0.0	0.3.4.0.0	0.5.0.0.0	0.6.8.0.0	0.8.4.0.0	0.10.0.0.0	0.11.8.0.0	1.1.4.0.0	1.3.0.0.0	1.4.8.0.0	1.6.4.0.0	1.8.0.0.0
¼	0.1.8.0.9	0.3.4.1.6	0.5.0.2.3	0.6.8.3.0	0.8.4.3.9	0.10.0.4.6	0.11.8.5.3	1.1.4.6.0	1.3.0.6.9	1.4.8.7.6	1.6.4.8.3	1.8.0.9.0
½	0.1.8.1.6	0.3.4.3.0	0.5.0.4.6	0.6.8.6.0	0.8.4.7.6	0.10.0.9.0	0.11.8.10.6	1.1.5.0.0	1.3.1.1.6	1.4.9.3.0	1.6.5.4.6	1.8.1.6.0
¾	0.1.8.2.3	0.3.4.4.6	0.5.0.6.9	0.6.8.9.0	0.8.4.11.3	0.10.1.1.6	0.11.9.3.9	1.1.5.6.0	1.3.1.8.3	1.4.9.10.6	1.6.6.0.9	1.8.2.3.0
6.9.0	0.1.8.3.0	0.3.4.6.0	0.5.0.9.0	0.6.9.0.0	0.8.5.3.0	0.10.1.6.0	0.11.9.9.0	1.1.6.0.0	1.3.2.3.0	1.4.10.6.0	1.6.6.9.0	1.8.3.0.0
¼	0.1.8.3.9	0.3.4.7.6	0.5.0.11.3	0.6.9.3.0	0.8.5.6.9	0.10.1.10.6	0.11.10.2.3	1.1.6.6.0	1.3.2.9.9	1.4.11.1.6	1.6.7.5.3	1.8.3.9.0
½	0.1.8.4.6	0.3.4.9.0	0.5.1.1.6	0.6.9.6.0	0.8.5.10.6	0.10.2.3.0	0.11.10.7.6	1.1.7.0.0	1.3.3.4.6	1.4.11.9.0	1.6.8.1.6	1.8.4.6.0
¾	0.1.8.5.3	0.3.4.10.6	0.5.1.3.9	0.6.9.9.0	0.8.6.2.3	0.10.2.7.6	0.11.11.0.9	1.1.7.6.0	1.3.3.11.3	1.5.0.4.6	1.6.8.9.9	1.8.5.3.0
6.10.0	0.1.8.6.0	0.3.5.0.0	0.5.1.6.0	0.6.10.0.0	0.8.6.6.0	0.10.3.0.0	0.11.11.6.0	1.1.8.0.0	1.3.4.6.0	1.5.1.0.0	1.6.9.6.0	1.8.6.0.0
¼	0.1.8.6.9	0.3.5.1.6	0.5.1.8.3	0.6.10.3.0	0.8.6.9.9	0.10.3.4.6	0.11.11.11.3	1.1.8.6.0	1.3.5.0.9	1.5.1.7.6	1.6.10.2.3	1.8.6.9.0
½	0.1.8.7.6	0.3.5.3.0	0.5.1.10.6	0.6.10.6.0	0.8.7.1.6	0.10.3.9.0	1.0.0.4.6	1.1.9.0.0	1.3.5.7.6	1.5.2.3.0	1.6.10.10.6	1.8.7.6.0
¾	0.1.8.8.3	0.3.5.4.6	0.5.2.0.9	0.6.10.9.0	0.8.7.5.3	0.10.4.1.6	1.0.0.9.9	1.1.9.6.0	1.3.6.2.3	1.5.2.10.6	1.6.11.6.9	1.8.8.3.0
6.11.0	0.1.8.9.0	0.3.5.6.0	0.5.2.3.0	0.6.11.0.0	0.8.7.9.0	0.10.4.6.0	1.0.1.3.0	1.1.10.0.0	1.3.6.9.0	1.5.3.6.0	1.7.0.3.0	1.8.9.0.0
¼	0.1.8.9.9	0.3.5.7.6	0.5.2.5.3	0.6.11.3.0	0.8.8.0.9	0.10.4.10.6	1.0.1.8.3	1.1.10.6.0	1.3.7.3.9	1.5.4.1.6	1.7.0.11.3	1.8.9.9.0
½	0.1.8.10.6	0.3.5.9.0	0.5.2.7.6	0.6.11.6.0	0.8.8.4.6	0.10.5.3.0	1.0.2.1.6	1.1.11.0.0	1.3.7.10.6	1.5.4.9.0	1.7.1.7.6	1.8.10.6.0
¾	0.1.8.11.3	0.3.5.10.6	0.5.2.9.9	0.6.11.9.0	0.8.8.8.3	0.10.5.7.6	1.0.2.6.9	1.1.11.6.0	1.3.8.5.3	1.5.5.4.6	1.7.2.3.9	1.8.11.3.0
7.0.0	0.1.9.0.0	0.3.6.0.0	0.5.3.0.0	0.7.0.0.0	0.8.9.0.0	0.10.6.0.0	1.0.3.0.0	1.2.0.0.0	1.3.9.0.0	1.5.6.0.0	1.7.3.0.0	1.9.0.0.0
¼	0.1.9.0.9	0.3.6.1.6	0.5.3.2.3	0.7.0.3.0	0.8.9.3.9	0.10.6.4.6	1.0.3.5.3	1.2.0.6.0	1.3.9.6.9	1.5.6.7.6	1.7.3.8.3	1.9.0.9.0
½	0.1.9.1.6	0.3.6.3.0	0.5.3.4.6	0.7.0.6.0	0.8.9.7.6	0.10.6.9.0	1.0.3.10.6	1.2.1.0.0	1.3.10.1.6	1.5.7.3.0	1.7.4.4.6	1.9.1.6.0
¾	0.1.9.2.3	0.3.6.4.6	0.5.3.6.9	0.7.0.9.0	0.8.9.11.3	0.10.7.1.6	1.0.4.3.9	1.2.1.6.0	1.3.10.8.3	1.5.7.10.6	1.7.5.0.9	1.9.2.3.0
7.1.0	0.1.9.3.0	0.3.6.6.0	0.5.3.9.0	0.7.1.0.0	0.8.10.3.0	0.10.7.6.0	1.0.4.9.0	1.2.2.0.0	1.3.11.3.0	1.5.8.6.0	1.7.5.9.0	1.9.3.0.0
¼	0.1.9.3.9	0.3.6.7.6	0.5.3.11.3	0.7.1.3.0	0.8.10.6.9	0.10.7.10.6	1.0.5.2.3	1.2.2.6.0	1.3.11.9.9	1.5.9.1.6	1.7.6.5.3	1.9.3.9.0
½	0.1.9.4.6	0.3.6.9.0	0.5.4.1.6	0.7.1.6.0	0.8.10.10.6	0.10.8.3.0	1.0.5.7.6	1.2.3.0.0	1.4.0.4.6	1.5.9.9.0	1.7.7.1.6	1.9.4.6.0
¾	0.1.9.5.3	0.3.6.10.6	0.5.4.3.9	0.7.1.9.0	0.8.11.2.3	0.10.8.7.6	1.0.6.0.9	1.2.3.6.0	1.4.0.11.3	1.5.10.4.6	1.7.7.9.9	1.9.5.3.0
7.2.0	0.1.9.6.0	0.3.7.0.0	0.5.4.6.0	0.7.2.0.0	0.8.11.6.0	0.10.9.0.0	1.0.6.6.0	1.2.4.0.0	1.4.1.6.0	1.5.11.0.0	1.7.8.6.0	1.9.6.0.0
¼	0.1.9.6.9	0.3.7.1.6	0.5.4.8.3	0.7.2.3.0	0.8.11.9.9	0.10.9.4.6	1.0.6.11.3	1.2.4.6.0	1.4.2.0.9	1.5.11.7.6	1.7.9.2.3	1.9.6.9.0
½	0.1.9.7.6	0.3.7.3.0	0.5.4.10.6	0.7.2.6.0	0.9.0.1.6	0.10.9.9.0	1.0.7.4.6	1.2.5.0.0	1.4.2.7.6	1.6.0.3.0	1.7.9.10.6	1.9.7.6.0
¾	0.1.9.8.3	0.3.7.4.6	0.5.5.0.9	0.7.2.9.0	0.9.0.5.3	0.10.10.1.6	1.0.7.9.9	1.2.5.6.0	1.4.3.2.3	1.6.0.10.6	1.7.10.6.9	1.9.8.3.0
7.3.0	0.1.9.9.0	0.3.7.6.0	0.5.5.3.0	0.7.3.0.0	0.9.0.9.0	0.10.10.6.0	1.0.8.3.0	1.2.6.0.0	1.4.3.9.0	1.6.1.6.0	1.7.11.3.0	1.9.9.0.0
¼	0.1.9.9.9	0.3.7.7.6	0.5.5.5.3	0.7.3.3.0	0.9.1.0.9	0.10.10.10.6	1.0.8.8.3	1.2.6.6.0	1.4.4.3.9	1.6.2.1.6	1.7.11.11.3	1.9.9.9.0
½	0.1.9.10.6	0.3.7.9.0	0.5.5.7.6	0.7.3.6.0	0.9.1.4.6	0.10.11.3.0	1.0.9.1.6	1.2.7.0.0	1.4.4.10.6	1.6.2.9.0	1.8.0.7.6	1.9.10.6.0
¾	0.1.9.11.3	0.3.7.10.6	0.5.5.9.9	0.7.3.9.0	0.9.1.8.3	0.10.11.7.6	1.0.9.6.9	1.2.7.6.0	1.4.5.5.3	1.6.3.4.6	1.8.1.3.9	1.9.11.3.0
7.4.0	0.1.10.0.0	0.3.8.0.0	0.5.6.0.0	0.7.4.0.0	0.9.2.0.0	0.11.0.0.0	1.0.10.0.0	1.2.8.0.0	1.4.6.0.0	1.6.4.0.0	1.8.2.0.0	1.10.0.0.0
¼	0.1.10.0.9	0.3.8.1.6	0.5.6.2.3	0.7.4.3.0	0.9.2.3.9	0.11.0.4.6	1.0.10.5.3	1.2.8.6.0	1.4.6.6.9	1.6.4.7.6	1.8.2.8.3	1.10.0.9.0
½	0.1.10.1.6	0.3.8.3.0	0.5.6.4.6	0.7.4.6.0	0.9.2.7.6	0.11.0.9.0	1.0.10.10.6	1.2.9.0.0	1.4.7.1.6	1.6.5.3.0	1.8.3.4.6	1.10.1.6.0
¾	0.1.10.2.3	0.3.8.4.6	0.5.6.6.9	0.7.4.9.0	0.9.2.11.3	0.11.1.1.6	1.0.11.3.9	1.2.9.6.0	1.4.7.8.3	1.6.5.10.6	1.8.4.0.9	1.10.2.3.0
7.5.0	0.1.10.3.0	0.3.8.6.0	0.5.6.9.0	0.7.5.0.0	0.9.3.3.0	0.11.1.6.0	1.0.11.9.0	1.2.10.0.0	1.4.8.3.0	1.6.6.6.0	1.8.4.9.0	1.10.3.0.0
¼	0.1.10.3.9	0.3.8.7.6	0.5.6.11.3	0.7.5.3.0	0.9.3.6.9	0.11.1.10.6	1.1.0.2.3	1.2.10.6.0	1.4.8.9.9	1.6.7.1.6	1.8.5.5.3	1.10.3.9.0
½	0.1.10.4.6	0.3.8.9.0	0.5.7.1.6	0.7.5.6.0	0.9.3.10.6	0.11.2.3.0	1.1.0.7.6	1.2.11.0.0	1.4.9.4.6	1.6.7.9.0	1.8.6.1.6	1.10.4.6.0
¾	0.1.10.5.3	0.3.8.10.6	0.5.7.3.9	0.7.5.9.0	0.9.4.2.3	0.11.2.7.6	1.1.1.0.9	1.2.11.6.0	1.4.9.11.3	1.6.8.4.6	1.8.6.9.9	1.10.5.3.0

A TABLE OF FEET AND INCHES.

from seven foot Six inches by one quarter of an inch, to nine foot eleven inches & three quarters by three inches.

F.I.P^{ts}	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	0.0.¼	0.0.½	0.0.¾	0.1.0	0.1.¼	0.1.½	0.1.¾	0.2.0	0.2.¼	0.2.½	0.2.¾	0.3.0
7.6	0.1.10.6.0	0.3.9.0.0	0.5.7.6.0	0.7.6.0.0	0.9.4.6.0	0.11.3.0.0	1.1.1.6.0	1.3.0.0.0	1.4.10.6.0	1.6.9.0.0	1.8.7.6.0	1.10.6.0.0
¼	0.1.10.6.9	0.3.9.1.6	0.5.7.8.3	0.7.6.3.0	0.9.4.9.9	0.11.3.4.6	1.1.1.11.3	1.3.0.6.0	1.4.11.0.9	1.6.9.7.6	1.8.8.2.3	1.10.6.9.0
½	0.1.10.7.6	0.3.9.3.0	0.5.7.10.6	0.7.6.6.0	0.9.5.1.6	0.11.3.9.0	1.1.2.4.6	1.3.1.0.0	1.4.11.7.6	1.6.10.3.0	1.8.8.10.6	1.10.7.6.0
¾	0.1.10.8.3	0.3.9.4.6	0.5.8.0.9	0.7.6.9.0	0.9.5.5.3	0.11.4.1.6	1.1.2.9.9	1.3.1.6.0	1.5.0.2.3	1.6.10.10.6	1.8.9.6.9	1.10.8.3.0
7.7	0.1.10.9.0	0.3.9.6.0	0.5.8.3.0	0.7.7.0.0	0.9.5.9.0	0.11.4.6.0	1.1.3.3.0	1.3.2.0.0	1.5.0.9.0	1.6.11.6.0	1.8.10.3.0	1.10.9.0.0
¼	0.1.10.9.9	0.3.9.7.6	0.5.8.5.3	0.7.7.3.0	0.9.6.0.9	0.11.4.10.6	1.1.3.8.3	1.3.2.6.0	1.5.1.3.9	1.7.0.1.6	1.8.10.11.3	1.10.9.9.0
½	0.1.10.10.6	0.3.9.9.0	0.5.8.7.6	0.7.7.6.0	0.9.6.4.6	0.11.5.3.0	1.1.4.1.6	1.3.3.0.0	1.5.1.10.6	1.7.0.9.0	1.8.11.7.6	1.10.10.6.0
¾	0.1.10.11.3	0.3.9.10.6	0.5.8.9.9	0.7.7.9.0	0.9.6.8.3	0.11.5.7.6	1.1.4.6.9	1.3.3.6.0	1.5.2.5.3	1.7.1.4.6	1.9.0.3.9	1.10.11.3.0
7.8	0.1.11.0.0	0.3.10.0.0	0.5.9.0.0	0.7.8.0.0	0.9.7.0.0	0.11.6.0.0	1.1.5.0.0	1.3.4.0.0	1.5.3.0.0	1.7.2.0.0	1.9.1.0.0	1.11.0.0.0
¼	0.1.11.0.9	0.3.10.1.6	0.5.9.2.3	0.7.8.3.0	0.9.7.3.9	0.11.6.4.6	1.1.5.5.3	1.3.4.6.0	1.5.3.6.9	1.7.2.7.6	1.9.1.8.3	1.11.0.9.0
½	0.1.11.1.6	0.3.10.3.0	0.5.9.4.6	0.7.8.6.0	0.9.7.7.6	0.11.6.9.0	1.1.5.10.6	1.3.5.0.0	1.5.4.1.6	1.7.3.3.0	1.9.2.4.6	1.11.1.6.0
¾	0.1.11.2.3	0.3.10.4.6	0.5.9.6.9	0.7.8.9.0	0.9.7.11.3	0.11.7.1.6	1.1.6.3.9	1.3.5.6.0	1.5.4.8.3	1.7.3.10.6	1.9.3.0.9	1.11.2.3.0
7.9	0.1.11.3.0	0.3.10.6.0	0.5.9.9.0	0.7.9.0.0	0.9.8.3.0	0.11.7.6.0	1.1.6.9.0	1.3.6.0.0	1.5.5.3.0	1.7.4.6.0	1.9.3.9.0	1.11.3.0.0
¼	0.1.11.3.9	0.3.10.7.6	0.5.9.11.3	0.7.9.3.0	0.9.8.6.9	0.11.7.10.6	1.1.7.2.3	1.3.6.6.0	1.5.5.9.9	1.7.5.1.6	1.9.4.5.3	1.11.3.9.0
½	0.1.11.4.6	0.3.10.9.0	0.5.10.1.6	0.7.9.6.0	0.9.8.10.6	0.11.8.3.0	1.1.7.7.6	1.3.7.0.0	1.5.6.4.6	1.7.5.9.0	1.9.5.1.6	1.11.4.6.0
¾	0.1.11.5.3	0.3.10.10.6	0.5.10.3.9	0.7.9.9.0	0.9.9.2.3	0.11.8.7.6	1.1.8.0.9	1.3.7.6.0	1.5.6.11.3	1.7.6.4.6	1.9.5.9.9	1.11.5.3.0
7.10	0.1.11.6.0	0.3.11.0.0	0.5.10.6.0	0.7.10.0.0	0.9.9.6.0	0.11.9.0.0	1.1.8.6.0	1.3.8.0.0	1.5.7.6.0	1.7.7.0.0	1.9.6.6.0	1.11.6.0.0
¼	0.1.11.6.9	0.3.11.1.6	0.5.10.8.3	0.7.10.3.0	0.9.9.9.9	0.11.9.4.6	1.1.8.11.3	1.3.8.6.0	1.5.8.0.9	1.7.7.7.6	1.9.7.2.3	1.11.6.9.0
½	0.1.11.7.6	0.3.11.3.0	0.5.10.10.6	0.7.10.6.0	0.9.10.1.6	0.11.9.9.0	1.1.9.4.6	1.3.9.0.0	1.5.8.7.6	1.7.8.3.0	1.9.7.10.6	1.11.7.6.0
¾	0.1.11.8.3	0.3.11.4.6	0.5.11.0.9	0.7.10.9.0	0.9.10.5.3	0.11.10.1.6	1.1.9.9.9	1.3.9.6.0	1.5.9.2.3	1.7.8.10.6	1.9.8.6.9	1.11.8.3.0
7.11	0.1.11.9.0	0.3.11.6.0	0.5.11.3.0	0.7.11.0.0	0.9.10.9.0	0.11.10.6.0	1.1.10.3.0	1.3.10.0.0	1.5.9.9.0	1.7.9.6.0	1.9.9.3.0	1.11.9.0.0
¼	0.1.11.9.9	0.3.11.7.6	0.5.11.5.3	0.7.11.3.0	0.9.11.0.9	0.11.10.10.6	1.1.10.8.3	1.3.10.6.0	1.5.10.3.9	1.7.10.1.6	1.9.9.11.3	1.11.9.9.0
½	0.1.11.10.6	0.3.11.9.0	0.5.11.7.6	0.7.11.6.0	0.9.11.4.6	0.11.11.3.0	1.1.11.1.6	1.3.11.0.0	1.5.10.10.6	1.7.10.9.0	1.9.10.7.6	1.11.10.6.0
¾	0.1.11.11.3	0.3.11.10.6	0.5.11.9.9	0.7.11.9.0	0.9.11.8.3	0.11.11.7.6	1.1.11.6.9	1.3.11.6.0	1.5.11.5.3	1.7.11.4.6	1.9.11.3.9	1.11.11.3.0
8.0	0.2.0.0.0	0.4.0.0.0	0.6.0.0.0	0.8.0.0.0	0.10.0.0.0	1.0.0.0.0	1.2.0.0.0	1.4.0.0.0	1.6.0.0.0	1.8.0.0.0	1.10.0.0.0	2.0.0.0.0
¼	0.2.0.0.9	0.4.0.1.6	0.6.0.2.3	0.8.0.3.0	0.10.0.3.9	1.0.0.4.6	1.2.0.5.3	1.4.0.6.0	1.6.0.6.9	1.8.0.7.6	1.10.0.8.3	2.0.0.9.0
½	0.2.0.1.6	0.4.0.3.0	0.6.0.4.6	0.8.0.6.0	0.10.0.7.6	1.0.0.9.0	1.2.0.10.6	1.4.1.0.0	1.6.1.1.6	1.8.1.3.0	1.10.1.4.6	2.0.1.6.0
¾	0.2.0.2.3	0.4.0.4.6	0.6.0.6.9	0.8.0.9.0	0.10.0.11.3	1.0.1.1.6	1.2.1.3.9	1.4.1.6.0	1.6.1.8.3	1.8.1.10.6	1.10.2.0.9	2.0.2.3.0
8.1	0.2.0.3.0	0.4.0.6.0	0.6.0.9.0	0.8.1.0.0	0.10.1.3.0	1.0.1.6.0	1.2.1.9.0	1.4.2.0.0	1.6.2.3.0	1.8.2.6.0	1.10.2.9.0	2.0.3.0.0
¼	0.2.0.3.9	0.4.0.7.6	0.6.0.11.3	0.8.1.3.0	0.10.1.6.9	1.0.1.10.6	1.2.2.2.3	1.4.2.6.0	1.6.2.9.9	1.8.3.1.6	1.10.3.5.3	2.0.3.9.0
½	0.2.0.4.6	0.4.0.9.0	0.6.1.1.6	0.8.1.6.0	0.10.1.10.6	1.0.2.3.0	1.2.2.7.6	1.4.3.0.0	1.6.3.4.6	1.8.3.9.0	1.10.4.1.6	2.0.4.6.0
¾	0.2.0.5.3	0.4.0.10.6	0.6.1.3.9	0.8.1.9.0	0.10.2.2.3	1.0.2.7.6	1.2.3.0.9	1.4.3.6.0	1.6.3.11.3	1.8.4.4.6	1.10.4.9.9	2.0.5.3.0
8.2	0.2.0.6.0	0.4.1.0.0	0.6.1.6.0	0.8.2.0.0	0.10.2.6.0	1.0.3.0.0	1.2.3.6.0	1.4.4.0.0	1.6.4.6.0	1.8.5.0.0	1.10.5.6.0	2.0.6.0.0
¼	0.2.0.6.9	0.4.1.1.6	0.6.1.8.3	0.8.2.3.0	0.10.2.9.9	1.0.3.4.6	1.2.3.11.3	1.4.4.6.0	1.6.5.0.9	1.8.5.7.6	1.10.6.2.3	2.0.6.9.0
½	0.2.0.7.6	0.4.1.3.0	0.6.1.10.6	0.8.2.6.0	0.10.3.1.6	1.0.3.9.0	1.2.4.4.6	1.4.5.0.0	1.6.5.7.6	1.8.6.3.0	1.10.6.10.6	2.0.7.6.0
¾	0.2.0.8.3	0.4.1.4.6	0.6.2.0.9	0.8.2.9.0	0.10.3.5.3	1.0.4.1.6	1.2.4.9.9	1.4.5.6.0	1.6.6.2.3	1.8.6.10.6	1.10.7.6.9	2.0.8.3.0
8.3	0.2.0.9.0	0.4.1.6.0	0.6.2.3.0	0.8.3.0.0	0.10.3.9.0	1.0.4.6.0	1.2.5.3.0	1.4.6.0.0	1.6.6.9.0	1.8.7.6.0	1.10.8.3.0	2.0.9.0.0
¼	0.2.0.9.9	0.4.1.7.6	0.6.2.5.3	0.8.3.3.0	0.10.4.0.9	1.0.4.10.6	1.2.5.8.3	1.4.6.6.0	1.6.7.3.9	1.8.8.1.6	1.10.8.11.3	2.0.9.9.0
½	0.2.0.10.6	0.4.1.9.0	0.6.2.7.6	0.8.3.6.0	0.10.4.4.6	1.0.5.3.0	1.2.6.1.6	1.4.7.0.0	1.6.7.10.6	1.8.8.9.0	1.10.9.7.6	2.0.10.6.0
¾	0.2.0.11.3	0.4.1.10.6	0.6.2.9.9	0.8.3.9.0	0.10.4.8.3	1.0.5.7.6	1.2.6.6.9	1.4.7.6.0	1.6.8.5.3	1.8.9.4.6	1.10.10.3.0	2.0.11.3.0
8.4	0.2.1.0.0	0.4.2.0.0	0.6.3.0.0	0.8.4.0.0	0.10.5.0.0	1.0.6.0.0	1.2.7.0.0	1.4.8.0.0	1.6.9.0.0	1.8.10.0.0	1.10.11.0.0	2.1.0.0.0
¼	0.2.1.0.9	0.4.2.1.6	0.6.3.2.3	0.8.4.3.0	0.10.5.3.9	1.0.6.4.6	1.2.7.5.3	1.4.8.6.0	1.6.9.6.9	1.8.10.7.6	1.10.11.8.3	2.1.0.9.0
½	0.2.1.1.6	0.4.2.3.0	0.6.3.4.6	0.8.4.6.0	0.10.5.7.6	1.0.6.9.0	1.2.7.10.6	1.4.9.0.0	1.6.10.1.6	1.8.11.3.0	1.11.0.4.6	2.1.1.6.0
¾	0.2.1.2.3	0.4.2.4.6	0.6.3.6.9	0.8.4.9.0	0.10.5.11.3	1.0.7.1.6	1.2.8.3.9	1.4.9.6.0	1.6.10.8.3	1.8.11.10.6	1.11.1.0.9	2.1.2.3.0
8.5	0.2.1.3.0	0.4.2.6.0	0.6.3.9.0	0.8.5.0.0	0.10.6.3.0	1.0.7.6.0	1.2.8.9.0	1.4.10.0.0	1.6.11.3.0	1.9.0.6.0	1.11.1.9.0	2.1.3.0.0
¼	0.2.1.3.9	0.4.2.7.6	0.6.3.11.3	0.8.5.3.0	0.10.6.6.9	1.0.7.10.6	1.2.9.2.3	1.4.10.6.0	1.6.11.9.9	1.9.1.1.6	1.11.2.5.3	2.1.3.0.0
½	0.2.1.4.6	0.4.2.9.0	0.6.4.1.6	0.8.5.6.0	0.10.6.10.6	1.0.8.3.0	1.2.9.7.6	1.4.11.0.0	1.7.0.4.6	1.9.1.9.0	1.11.3.1.6	2.1.4.6.0
¾	0.2.1.5.3	0.4.2.10.6	0.6.4.3.9	0.8.5.9.0	0.10.7.2.3	1.0.8.7.6	1.2.10.0.9	1.4.11.6.0	1.7.0.11.3	1.9.2.4.6	1.11.3.9.9	2.1.5.3.0
8.6	0.2.1.6.0	0.4.3.0.0	0.6.4.6.0	0.8.6.0.0	0.10.7.6.0	1.0.9.0.0	1.2.10.6.0	1.5.0.0.0	1.7.1.6.0	1.9.3.0.0	1.11.4.6.0	2.1.6.0.0
¼	0.2.1.6.9	0.4.3.1.6	0.6.4.8.3	0.8.6.3.0	0.10.7.9.9	1.0.9.4.6	1.2.10.11.3	1.5.0.6.0	1.7.2.0.9	1.9.3.7.6	1.11.5.2.3	2.1.6.9.0
½	0.2.1.7.6	0.4.3.3.0	0.6.4.10.6	0.8.6.6.0	0.10.8.1.6	1.0.9.9.0	1.2.11.4.6	1.5.1.0.0	1.7.2.7.6	1.9.4.3.0	1.11.5.10.6	2.1.7.6.0
¾	0.2.1.8.3	0.4.3.4.6	0.6.5.0.9	0.8.6.9.0	0.10.8.5.3	1.0.10.1.6	1.2.11.9.9	1.5.1.6.0	1.7.3.2.3	1.9.4.10.6	1.11.6.6.9	2.1.8.3.0
8.7	0.2.1.9.0	0.4.3.6.0	0.6.5.3.0	0.8.7.0.0	0.10.8.9.0	1.0.10.6.0	1.3.0.3.0	1.5.2.0.0	1.7.3.9.0	1.9.5.6.0	1.11.7.3.0	2.1.9.0.0
¼	0.2.1.9.9	0.4.3.7.6	0.6.5.5.3	0.8.7.3.0	0.10.9.0.9	1.0.10.10.6	1.3.0.8.3	1.5.2.6.0	1.7.4.3.9	1.9.6.1.6	1.11.7.11.3	2.1.9.9.0
½	0.2.1.10.6	0.4.3.9.0	0.6.5.7.6	0.8.7.6.0	0.10.9.4.6	1.0.11.3.0	1.3.1.1.6	1.5.3.0.0	1.7.4.10.6	1.9.6.9.0	1.11.8.7.6	2.1.10.6.0
¾	0.2.1.11.3	0.4.3.10.6	0.6.5.9.9	0.8.7.9.0	0.10.9.8.3	1.0.11.7.6	1.3.1.6.9	1.5.3.6.0	1.7.5.5.3	1.9.7.4.6	1.11.9.3.9	2.1.11.3.0
8.8	0.2.2.0.0	0.4.4.0.0	0.6.6.0.0	0.8.8.0.0	0.10.10.0.0	1.1.0.0.0	1.3.2.0.0	1.5.4.0.0	1.7.6.0.0	1.9.8.0.0	1.11.10.0.0	2.2.0.0.0
¼	0.2.2.0.9	0.4.4.1.6	0.6.6.2.3	0.8.8.3.0	0.10.10.3.9	1.1.0.4.6	1.3.2.5.3	1.5.4.6.0	1.7.6.6.9	1.9.8.7.6	1.11.10.8.3	2.2.0.9.0
½	0.2.2.1.6	0.4.4.3.0	0.6.6.4.0	0.8.8.6.0	0.10.10.7.6	1.1.0.9.0	1.3.2.10.6	1.5.5.0.0	1.7.7.1.6	1.9.9.3.0	1.11.11.4.6	2.2.1.6.0
¾	0.2.2.2.3	0.4.4.4.6	0.6.6.6.9	0.8.8.9.0	0.10.10.11.3	1.1.1.1.6	1.3.3.3.9	1.5.5.6.0	1.7.7.8.3	1.9.9.10.6	2.0.0.0.9	2.2.2.3.0
8.9	0.2.2.3.0	0.4.4.6.0	0.6.6.9.0	0.8.9.0.0	0.10.11.3.0	1.1.1.6.0	1.3.3.9.0	1.5.6.0.0	1.7.8.3.0	1.9.10.6.0	2.0.0.9.0	2.2.3.0.0
¼	0.2.2.3.9	0.4.4.7.6	0.6.6.11.3	0.8.9.3.0	0.10.11.6.9	1.1.1.10.6	1.3.4.2.3	1.5.6.6.0	1.7.8.9.9	1.9.11.1.6	2.0.1.5.3	2.2.3.9.0
½	0.2.2.4.6	0.4.4.9.0	0.6.7.1.6	0.8.9.6.0	0.10.11.10.6	1.1.2.3.0	1.3.4.7.6	1.5.7.0.0	1.7.9.4.6	1.9.11.9.0	2.0.2.1.6	2.2.4.6.0
¾	0.2.2.5.3	0.4.4.10.6	0.6.7.3.9	0.8.9.9.0	0.11.0.2.3	1.1.2.7.6	1.3.5.0.9	1.5.7.6.0	1.7.9.11.3	1.10.0.4.6	2.0.2.9.9	2.2.5.3.0
8.10	0.2.2.6.0	0.4.5.0.0	0.6.7.6.0	0.8.10.0.0	0.11.0.6.0	1.1.3.0.0	1.3.5.6.0	1.5.8.0.0	1.7.10.6.0	1.10.1.0.0	2.0.3.6.0	2.2.6.0.0
¼	0.2.2.6.9	0.4.5.1.6	0.6.7.8.3	0.8.10.3.0	0.11.0.9.9	1.1.3.4.6	1.3.5.11.3	1.5.8.6.0	1.7.11.0.9	1.10.1.7.6	2.0.4.2.3	2.2.6.9.0
½	0.2.2.7.6	0.4.5.3.0	0.6.7.10.6	0.8.10.6.0	0.11.1.1.6	1.1.3.9.0	1.3.6.4.6	1.5.9.0.0	1.7.11.7.6	1.10.2.3.0	2.0.4.10.6	2.2.7.6.0
¾	0.2.2.8.3	0.4.5.4.6	0.6.8.0.9	0.8.10.9.0	0.11.1.5.3	1.1.4.1.6	1.3.6.9.9	1.5.9.6.0	1.8.0.2.3	1.10.2.10.6	2.0.5.6.9	2.2.8.3.0
8.11	0.2.2.9.0	0.4.5.6.0	0.6.8.3.0	0.8.11.0.0	0.11.1.9.0	1.1.4.6.0	1.3.7.3.0	1.5.10.0.0	1.8.0.9.0	1.10.3.6.0	2.0.6.3.0	2.2.9.0.0
¼	0.2.2.9.9	0.4.5.7.6	0.6.8.5.3	0.8.11.3.0	0.11.2.0.9	1.1.4.10.6	1.3.7.8.3	1.5.10.6.0	1.8.1.3.9	1.10.4.1.6	2.0.6.11.3	2.2.9.9.0
½	0.2.2.10.6	0.4.5.9.0	0.6.8.7.6	0.8.11.6.0	0.11.2.4.6	1.1.5.3.0	1.3.8.1.6	1.5.11.0.0	1.8.1.10.6	1.10.4.9.0	2.0.7.7.6	2.2.10.6.0
¾	0.2.2.11.3	0.4.5.10.6	0.6.8.9.9	0.8.11.9.0	0.11.2.8.3	1.1.5.7.6	1.3.8.6.9	1.5.11.6.0	1.8.2.5.3	1.10.5.4.6	2.0.8.3.9	2.2.11.3.0
9.0	0.2.3.0.0	0.4.6.0.0	0.6.9.0.0	0.9.0.0.0	0.11.3.0.0	1.1.6.0.0	1.3.9.0.0	1.6.0.0.0	1.8.3.0.0	1.10.6.0.0	2.0.9.0.0	2.3.0.0.0
¼	0.2.3.0.9	0.4.6.1.6	0.6.9.2.3	0.9.0.3.0	0.11.3.3.9	1.1.6.4.6	1.3.9.5.3	1.6.0.6.0	1.8.3.6.9	1.10.6.7.6	2.0.9.8.3	2.3.0.9.0
½	0.2.3.1.6	0.4.6.3.0	0.6.9.4.6	0.9.0.6.0	0.11.3.7.6	1.1.6.9.0	1.3.9.10.6	1.6.1.0.0	1.8.4.1.6	1.10.7.3.0	2.0.10.4.6	2.3.1.6.0
¾	0.2.3.2.3	0.4.6.4.6	0.6.9.6.9	0.9.0.9.0	0.11.3.11.3	1.1.7.1.6	1.3.10.3.9	1.6.1.6.0	1.8.4.8.3	1.10.7.10.6	2.0.11.0.9	2.3.2.3.0
9.1	0.2.3.3.0	0.4.6.6.0	0.6.9.9.0	0.9.1.0.0	0.11.4.3.0	1.1.7.6.0	1.3.10.9.0	1.6.2.0.0	1.8.5.3.0	1.10.8.6.0	2.0.11.9.0	2.3.3.0.0
¼	0.2.3.3.9	0.4.6.7.6	0.6.9.11.3	0.9.1.3.0	0.11.4.6.9	1.1.7.10.6	1.3.11.2.3	1.6.2.6.0	1.8.5.9.9	1.10.9.1.6	2.1.0.5.3	2.3.3.9.0
½	0.2.3.4.6	0.4.6.9.0	0.6.10.1.6	0.9.1.6.0	0.11.4.10.6	1.1.8.3.0	1.3.11.7.6	1.6.3.0.0	1.8.6.4.6	1.10.9.9.0	2.1.1.1.6	2.3.4.6.0
¾	0.2.3.5.3	0.4.6.10.6	0.6.10.3.9	0.9.1.9.0	0.11.5.2.3	1.1.8.7.6	1.4.0.0.9	1.6.3.6.0	1.8.6.11.3	1.10.10.4.6	2.1.1.9.9	2.3.5.3.0
9.2	0.2.3.6.0	0.4.7.0.0	0.6.10.6.0	0.9.2.0.0	0.11.5.6.0	1.1.9.0.0	1.4.0.6.0	1.6.4.0.0	1.8.7.6.0	1.10.11.0.0	2.1.2.6.0	2.3.6.0.0
¼	0.2.3.6.9	0.4.7.1.6	0.6.10.8.3	0.9.2.3.0	0.11.5.9.9	1.1.9.4.6	1.4.0.11.3	1.6.4.6.0	1.8.8.0.9	1.10.11.7.6	2.1.3.2.3	2.3.6.9.0
½	0.2.3.7.6	0.4.7.3.0	0.6.10.10.6	0.9.2.6.0	0.11.6.1.6	1.1.9.9.0	1.4.1.4.6	1.6.5.0.0	1.8.8.7.6	1.11.0.3.0	2.1.3.10.6	2.3.7.6.0
¾	0.2.3.8.3	0.4.7.4.6	0.6.11.0.9	0.9.2.9.0	0.11.6.5.3	1.1.10.1.6	1.4.1.9.9	1.6.5.6.0	1.8.9.2.3	1.11.0.10.6	2.1.4.6.9	2.3.8.3.0
9.3	0.2.3.9.0	0.4.7.6.0	0.6.11.3.0	0.9.3.0.0	0.11.6.9.0	1.1.10.6.0	1.4.2.3.0	1.6.6.0.0	1.8.9.9.0	1.11.1.6.0	2.1.5.3.0	2.3.9.0.0
¼	0.2.3.9.9	0.4.7.7.6	0.6.11.5.3	0.9.3.3.0	0.11.7.0.9	1.1.10.10.6	1.4.2.8.3	1.6.6.6.0	1.8.10.3.9	1.11.2.1.6	2.1.5.11.3	2.3.9.9.0
½	0.2.3.10.6	0.4.7.9.0	0.6.11.7.6	0.9.3.6.0	0.11.7.4.6	1.1.11.3.0	1.4.3.1.6	1.6.7.0.0	1.8.10.10.6	1.11.2.9.0	2.1.6.7.6	2.3.10.6.0
¾	0.2.3.11.3	0.4.7.10.6	0.6.11.9.9	0.9.3.9.0	0.11.7.8.3	1.1.11.7.6	1.4.3.6.9	1.6.7.6.0	1.8.11.5.3	1.11.3.4.6	2.1.7.3.9	2.3.11.3.0
9.4	0.2.4.0.0	0.4.8.0.0	0.7.0.0.0	0.9.4.0.0	0.11.8.0.0	1.2.0.0.0	1.4.4.0.0	1.6.8.0.0	1.9.0.0.0	1.11.4.0.0	2.1.8.0.0	2.4.0.0.0
¼	0.2.4.0.9	0.4.8.1.6	0.7.0.2.3	0.9.4.3.0	0.11.8.3.9	1.2.0.4.6	1.4.4.5.3	1.6.8.6.0	1.9.0.6.9	1.11.4.7.6	2.1.8.8.3	2.4.0.9.0
½	0.2.4.1.6	0.4.8.3.0	0.7.0.4.6	0.9.4.6.0	0.11.8.7.6	1.2.0.9.0	1.4.4.10.6	1.6.9.0.0	1.9.1.1.6	1.11.5.3.0	2.1.9.4.6	2.4.1.6.0
¾	0.2.4.2.3	0.4.8.4.6	0.7.0.6.9	0.9.4.9.0	0.11.8.11.3	1.2.1.1.6	1.4.5.3.9	1.6.9.6.0	1.9.1.8.3	1.11.5.10.6	2.1.10.0.9	2.4.2.3.0
9.5	0.2.4.3.0	0.4.8.6.0	0.7.0.9.0	0.9.5.0.0	0.11.9.3.0	1.2.1.6.0	1.4.5.9.0	1.6.10.0.0	1.9.2.3.0	1.11.6.6.0	2.1.10.9.0	2.4.3.0.0
¼	0.2.4.3.9	0.4.8.7.6	0.7.0.11.3	0.9.5.3.0	0.11.9.6.9	1.2.1.10.6	1.4.6.2.3	1.6.10.6.0	1.9.2.9.9	1.11.7.1.6	2.1.11.5.3	2.4.3.9.0
½	0.2.4.4.6	0.4.8.9.0	0.7.1.1.6	0.9.5.6.0	0.11.9.10.6	1.2.2.3.0	1.4.6.7.6	1.6.11.0.0	1.9.3.4.6	1.11.7.9.0	2.2.0.1.6	2.4.4.6.0
¾	0.2.4.5.3	0.4.8.10.6	0.7.1.3.9	0.9.5.9.0	0.11.10.2.3	1.2.2.7.6	1.4.7.0.9	1.6.11.6.0	1.9.3.11.3	1.11.8.4.0	2.2.0.9.9	2.4.5.3.0
9.6	0.2.4.6.0	0.4.9.0.0	0.7.1.6.0	0.9.6.0.0	0.11.10.6.0	1.2.3.0.0	1.4.7.6.0	1.7.0.0.0	1.9.4.6.0	1.11.9.0.0	2.2.1.6.0	2.4.6.0.0
¼	0.2.4.6.9	0.4.9.1.6	0.7.1.8.3	0.9.6.3.0	0.11.10.9.9	1.2.3.4.6	1.4.7.11.3	1.7.0.6.0	1.9.5.0.9	1.11.9.7.6	2.2.2.2.3	2.4.6.9.0
½	0.2.4.7.6	0.4.9.3.0	0.7.1.10.6	0.9.6.6.0	0.11.11.1.6	1.2.3.9.0	1.4.8.4.6	1.7.1.0.0	1.9.5.7.6	1.11.10.3.0	2.2.2.10.6	2.4.7.6.0
¾	0.2.4.8.3	0.4.9.4.6	0.7.2.0.9	0.9.6.9.0	0.11.11.5.3	1.2.4.1.6	1.4.8.9.9	1.7.1.6.0	1.9.6.2.3	1.11.10.10.0	2.2.3.6.9	2.4.8.3.0
9.7	0.2.4.9.0	0.4.9.6.0	0.7.2.3.0	0.9.7.0.0	0.11.11.9.0	1.2.4.6.0	1.4.9.3.0	1.7.2.0.0	1.9.6.9.0	1.11.11.6.0	2.2.4.3.0	2.4.9.0.0
¼	0.2.4.9.9	0.4.9.7.6	0.7.2.5.3	0.9.7.3.0	1.0.0.0.9	1.2.4.10.6	1.4.9.8.3	1.7.2.6.0	1.9.7.3.9	2.0.0.1.6	2.2.4.11.3	2.4.9.9.0
½	0.2.4.10.6	0.4.9.9.0	0.7.2.7.6	0.9.7.6.0	1.0.0.4.6	1.2.5.3.0	1.4.10.1.6	1.7.3.0.0	1.9.7.10.6	2.0.0.9.0	2.2.5.7.6	2.4.10.6.0
¾	0.2.4.11.3	0.4.9.10.6	0.7.2.9.9	0.9.7.9.0	1.0.0.8.3	1.2.5.7.6	1.4.10.6.9	1.7.3.6.0	1.9.8.5.3	2.0.1.4.6	2.2.6.3.9	2.4.11.3.0
9.8	0.2.5.0.0	0.4.10.0.0	0.7.3.0.0	0.9.8.0.0	1.0.1.0.0	1.2.6.0.0	1.4.11.0.0	1.7.4.0.0	1.9.9.0.0	2.0.2.0.0	2.2.7.0.0	2.5.0.0.0
¼	0.2.5.0.9	0.4.10.1.6	0.7.3.2.3	0.9.8.3.0	1.0.1.3.9	1.2.6.4.6	1.4.11.5.3	1.7.4.6.0	1.9.9.6.9	2.0.2.7.6	2.2.7.8.3	2.5.0.9.0
½	0.2.5.1.6	0.4.10.3.0	0.7.3.4.6	0.9.8.6.0	1.0.1.7.6	1.2.6.9.0	1.4.11.10.6	1.7.5.0.0	1.9.10.1.6	2.0.3.3.0	2.2.8.4.6	2.5.1.6.0
¾	0.2.5.2.3	0.4.10.4.6	0.7.3.6.9	0.9.8.9.0	1.0.1.11.3	1.2.7.1.6	1.5.0.3.9	1.7.5.6.0	1.9.10.8.3	2.0.3.10.0	2.2.9.0.9	2.5.2.3.0
9.9	0.2.5.3.0	0.4.10.6.0	0.7.3.9.0	0.9.9.0.0	1.0.2.3.0	1.2.7.6.0	1.5.0.9.0	1.7.6.0.0	1.9.11.3.0	2.0.4.6.0	2.2.9.9.0	2.5.3.0.0
¼	0.2.5.3.9	0.4.10.7.6	0.7.3.11.3	0.9.9.3.0	1.0.2.6.9	1.2.7.10.6	1.5.1.2.3	1.7.6.6.0	1.9.11.9.9	2.0.5.1.6	2.2.10.5.3	2.5.3.9.0
½	0.2.5.4.6	0.4.10.9.0	0.7.4.1.6	0.9.9.6.0	1.0.2.10.6	1.2.8.3.0	1.5.1.7.6	1.7.7.0.0	1.10.0.4.6	2.0.5.9.0	2.2.11.1.6	2.5.4.6.0
¾	0.2.5.5.3	0.4.10.10.6	0.7.4.3.9	0.9.9.9.0	1.0.3.2.3	1.2.8.7.6	1.5.2.0.9	1.7.7.6.0	1.10.0.11.3	2.0.6.4.6	2.2.11.9.9	2.5.5.3.0
9.10	0.2.5.6.0	0.4.11.0.0	0.7.4.6.0	0.9.10.0.0	1.0.3.6.0	1.2.9.0.0	1.5.2.6.0	1.7.8.0.0	1.10.1.6.0	2.0.7.0.0	2.3.0.6.0	2.5.6.0.0
¼	0.2.5.6.9	0.4.11.1.6	0.7.4.8.3	0.9.10.3.0	1.0.3.9.9	1.2.9.4.6	1.5.2.11.3	1.7.8.6.0	1.10.2.0.9	2.0.7.7.6	2.3.1.2.3	2.5.6.9.0
½	0.2.5.7.6	0.4.11.3.0	0.7.4.10.6	0.9.10.6.0	1.0.4.1.6	1.2.9.9.0	1.5.3.4.6	1.7.9.0.0	1.10.2.7.6	2.0.8.3.0	2.3.1.10.6	2.5.7.6.0
¾	0.2.5.8.3	0.4.11.4.6	0.7.5.0.9	0.9.10.9.0	1.0.4.5.3	1.2.10.1.6	1.5.3.9.9	1.7.9.6.0	1.10.3.2.3	2.0.8.10.6	2.3.2.6.9	2.5.8.3.0
9.11	0.2.5.9.0	0.4.11.6.0	0.7.5.3.0	0.9.11.0.0	1.0.4.9.0	1.2.10.6.0	1.5.4.3.0	1.7.10.0.0	1.10.3.9.0	2.0.9.6.0	2.3.3.3.0	2.5.9.0.0
¼	0.2.5.9.9	0.4.11.7.6	0.7.5.5.3	0.9.11.3.0	1.0.5.0.9	1.2.10.10.6	1.5.4.8.3	1.7.10.6.0	1.10.4.3.9	2.0.10.1.6	2.3.3.11.3	2.5.9.9.0
½	0.2.5.10.6	0.4.11.9.0	0.7.5.7.6	0.9.11.6.0	1.0.5.4.6	1.2.11.3.0	1.5.5.1.6	1.7.11.0.0	1.10.4.10.6	2.0.10.9.0	2.3.4.7.6	2.5.10.6.0
¾	0.2.5.11.3	0.4.11.10.6	0.7.5.9.9	0.9.11.9.0	1.0.5.8.3	1.2.11.7.6	1.5.5.6.9	1.7.11.6.0	1.10.5.5.3	2.0.11.4.6	2.3.5.3.9	2.5.11.3.0

A TABLE OF FEET AND INCHES

from ten Foot by one Quarter of an Inch to twelve Foot five Inches and three Quarters by three Inches.

F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	0.0.¼	0.0.½	0.0.¾	0.1.0	0.1.¼	0.1.½	0.1.¾	0.2.0	0.2.¼	0.2.½	0.2.¾	0.3.0
10.0.0	0.2.6.0.0	0.5.0.0.0	0.7.6.0.0	0.10.0.0.0	1.0.6.0.0	1.3.0.0.0	1.5.6.0.0	1.8.0.0.0	1.10.6.0.0	2.1.0.0.0	2.3.6.0.0	2.6.0.0.0
¼	0.2.6.0.9	0.5.0.1.6	0.7.6.2.3	0.10.0.3.0	1.0.6.3.9	1.3.0.4.6	1.5.6.5.3	1.8.0.6.0	1.10.6.6.9	2.1.0.7.6	2.3.6.8.3	2.6.0.9.0
½	0.2.6.1.6	0.5.0.3.0	0.7.6.4.6	0.10.0.6.0	1.0.6.7.6	1.3.0.9.0	1.5.6.10.6	1.8.1.0.0	1.10.7.1.6	2.1.1.3.0	2.3.7.4.6	2.6.1.6.0
¾	0.2.6.2.3	0.5.0.4.6	0.7.6.6.9	0.10.0.9.0	1.0.6.11.3	1.3.1.1.6	1.5.7.3.9	1.8.1.6.0	1.10.7.8.3	2.1.1.10.6	2.3.8.0.9	2.6.2.3.0
10.1.0	0.2.6.3.0	0.5.0.6.0	0.7.6.9.0	0.10.1.0.0	1.0.7.3.0	1.3.1.6.0	1.5.7.9.0	1.8.2.0.0	1.10.8.3.0	2.1.2.6.0	2.3.8.9.0	2.6.3.0.0
¼	0.2.6.3.9	0.5.0.7.6	0.7.6.11.3	0.10.1.3.0	1.0.7.6.9	1.3.1.10.6	1.5.8.2.3	1.8.2.6.0	1.10.8.9.9	2.1.3.1.6	2.3.9.5.3	2.6.3.9.0
½	0.2.6.4.6	0.5.0.9.0	0.7.7.1.6	0.10.1.6.0	1.0.7.10.6	1.3.2.3.0	1.5.8.7.6	1.8.3.0.0	1.10.9.4.6	2.1.3.9.0	2.3.10.1.6	2.6.4.6.0
¾	0.2.6.5.3	0.5.0.10.6	0.7.7.3.9	0.10.1.9.0	1.0.8.2.3	1.3.2.7.6	1.5.9.0.9	1.8.3.6.0	1.10.9.11.3	2.1.4.4.6	2.3.10.9.9	2.6.5.3.0
10.2.0	0.2.6.6.0	0.5.1.0.0	0.7.7.6.0	0.10.2.0.0	1.0.8.6.0	1.3.3.0.0	1.5.9.6.0	1.8.4.0.0	1.10.10.6.0	2.1.5.0.0	2.3.11.6.0	2.6.6.0.0
¼	0.2.6.6.9	0.5.1.1.6	0.7.7.8.3	0.10.2.3.0	1.0.8.9.9	1.3.3.4.6	1.5.9.11.3	1.8.4.6.0	1.10.11.0.9	2.1.5.7.6	2.4.0.2.3	2.6.6.9.0
½	0.2.6.7.6	0.5.1.3.0	0.7.7.10.6	0.10.2.6.0	1.0.9.1.6	1.3.3.9.0	1.5.10.4.6	1.8.5.0.0	1.10.11.7.6	2.1.6.3.0	2.4.0.10.6	2.6.7.6.0
¾	0.2.6.8.3	0.5.1.4.6	0.7.8.0.9	0.10.2.9.0	1.0.9.5.3	1.3.4.1.6	1.5.10.9.9	1.8.5.6.0	1.11.0.2.3	2.1.6.10.6	2.4.1.6.9	2.6.8.3.0
10.3.0	0.2.6.9.0	0.5.1.6.0	0.7.8.3.0	0.10.3.0.0	1.0.9.9.0	1.3.4.6.0	1.5.11.3.0	1.8.6.0.0	1.11.0.9.0	2.1.7.6.0	2.4.2.3.0	2.6.9.0.0
¼	0.2.6.9.9	0.5.1.7.6	0.7.8.5.3	0.10.3.3.0	1.0.10.0.9	1.3.4.10.6	1.5.11.8.3	1.8.6.6.0	1.11.1.3.9	2.1.8.1.6	2.4.2.11.3	2.6.9.9.0
½	0.2.6.10.6	0.5.1.9.0	0.7.8.7.6	0.10.3.6.0	1.0.10.4.6	1.3.5.3.0	1.6.0.1.6	1.8.7.0.0	1.11.1.10.6	2.1.8.9.0	2.4.3.7.6	2.6.10.6.0
¾	0.2.6.11.3	0.5.1.10.6	0.7.8.9.9	0.10.3.9.0	1.0.10.8.3	1.3.5.7.6	1.6.0.6.9	1.8.7.6.0	1.11.2.5.3	2.1.9.4.6	2.4.4.3.9	2.6.11.3.0
10.4.0	0.2.7.0.0	0.5.2.0.0	0.7.9.0.0	0.10.4.0.0	1.0.11.0.0	1.3.6.0.0	1.6.1.0.0	1.8.8.0.0	1.11.3.0.0	2.1.10.0.0	2.4.5.0.0	2.7.0.0.0
¼	0.2.7.0.9	0.5.2.1.6	0.7.9.2.3	0.10.4.3.0	1.0.11.3.9	1.3.6.4.6	1.6.1.5.3	1.8.8.6.0	1.11.3.6.9	2.1.10.7.6	2.4.5.8.3	2.7.0.9.0
½	0.2.7.1.6	0.5.2.3.0	0.7.9.4.6	0.10.4.6.0	1.0.11.7.6	1.3.6.9.0	1.6.1.10.6	1.8.9.0.0	1.11.4.1.6	2.1.11.3.0	2.4.6.4.6	2.7.1.6.0
¾	0.2.7.2.3	0.5.2.4.6	0.7.9.6.9	0.10.4.9.0	1.0.11.11.3	1.3.7.1.6	1.6.2.3.9	1.8.9.6.0	1.11.4.8.3	2.1.11.10.6	2.4.7.0.9	2.7.2.3.0
10.5.0	0.2.7.3.0	0.5.2.6.0	0.7.9.9.0	0.10.5.0.0	1.1.0.3.0	1.3.7.6.0	1.6.2.9.0	1.8.10.0.0	1.11.5.3.0	2.2.0.6.0	2.4.7.9.0	2.7.3.0.0
¼	0.2.7.3.9	0.5.2.7.6	0.7.9.11.3	0.10.5.3.0	1.1.0.6.9	1.3.7.10.6	1.6.3.2.3	1.8.10.6.0	1.11.5.9.9	2.2.1.1.6	2.4.8.5.3	2.7.3.9.0
½	0.2.7.4.6	0.5.2.9.0	0.7.10.1.6	0.10.5.6.0	1.1.0.10.6	1.3.8.3.0	1.6.3.7.6	1.8.11.0.0	1.11.6.4.6	2.2.1.9.0	2.4.9.1.6	2.7.4.6.0
¾	0.2.7.5.3	0.5.2.10.6	0.7.10.3.9	0.10.5.9.0	1.1.1.2.3	1.3.8.7.6	1.6.4.0.9	1.8.11.6.0	1.11.6.11.3	2.2.2.4.6	2.4.9.9.9	2.7.5.3.0
10.6.0	0.2.7.6.0	0.5.3.0.0	0.7.10.6.0	0.10.6.0.0	1.1.1.6.0	1.3.9.0.0	1.6.4.6.0	1.9.0.0.0	1.11.7.6.0	2.2.3.0.0	2.4.10.6.0	2.7.6.0.0
¼	0.2.7.6.9	0.5.3.1.6	0.7.10.8.3	0.10.6.3.0	1.1.1.9.9	1.3.9.4.6	1.6.4.11.3	1.9.0.6.0	1.11.8.0.9	2.2.3.7.6	2.4.11.2.3	2.7.6.9.0
½	0.2.7.7.6	0.5.3.3.0	0.7.10.10.6	0.10.6.6.0	1.1.2.1.6	1.3.9.9.0	1.6.5.4.6	1.9.1.0.0	1.11.8.7.6	2.2.4.3.0	2.4.11.10.6	2.7.7.6.0
¾	0.2.7.8.3	0.5.3.4.6	0.7.11.0.9	0.10.6.9.0	1.1.2.5.3	1.3.10.1.6	1.6.5.9.9	1.9.1.6.0	1.11.9.2.3	2.2.4.10.6	2.5.0.6.9	2.7.8.3.0
10.7.0	0.2.7.9.0	0.5.3.6.0	0.7.11.3.0	0.10.7.0.0	1.1.2.9.0	1.3.10.6.0	1.6.6.3.0	1.9.2.0.0	1.11.9.9.0	2.2.5.6.0	2.5.1.3.0	2.7.9.0.0
¼	0.2.7.9.9	0.5.3.7.6	0.7.11.5.3	0.10.7.3.0	1.1.3.0.9	1.3.10.10.6	1.6.6.8.3	1.9.2.6.0	1.11.10.3.9	2.2.6.1.6	2.5.1.11.3	2.7.9.9.0
½	0.2.7.10.6	0.5.3.9.0	0.7.11.7.6	0.10.7.6.0	1.1.3.4.6	1.3.11.3.0	1.6.7.1.6	1.9.3.0.0	1.11.10.10.6	2.2.6.9.0	2.5.2.7.6	2.7.10.6.0
¾	0.2.7.11.3	0.5.3.10.6	0.7.11.9.9	0.10.7.9.0	1.1.3.8.3	1.3.11.7.6	1.6.7.6.9	1.9.3.6.0	1.11.11.5.3	2.2.7.4.6	2.5.3.3.9	2.7.11.3.0
10.8.0	0.2.8.0.0	0.5.4.0.0	0.8.0.0.0	0.10.8.0.0	1.1.4.0.0	1.4.0.0.0	1.6.8.0.0	1.9.4.0.0	2.0.0.0.0	2.2.8.0.0	2.5.4.0.0	2.8.0.0.0
¼	0.2.8.0.9	0.5.4.1.6	0.8.0.2.3	0.10.8.3.0	1.1.4.3.9	1.4.0.4.6	1.6.8.5.3	1.9.4.6.0	2.0.0.6.9	2.2.8.7.6	2.5.4.8.3	2.8.0.9.0
½	0.2.8.1.6	0.5.4.3.0	0.8.0.4.6	0.10.8.6.0	1.1.4.7.6	1.4.0.9.0	1.6.8.10.6	1.9.5.0.0	2.0.1.1.6	2.2.9.3.0	2.5.5.4.6	2.8.1.6.0
¾	0.2.8.2.3	0.5.4.4.6	0.8.0.6.9	0.10.8.9.0	1.1.4.11.3	1.4.1.1.6	1.6.9.3.9	1.9.5.6.0	2.0.1.8.3	2.2.9.10.6	2.5.6.0.9	2.8.2.3.0
10.9.0	0.2.8.3.0	0.5.4.6.0	0.8.0.9.0	0.10.9.0.0	1.1.5.3.0	1.4.1.6.0	1.6.9.9.0	1.9.6.0.0	2.0.2.3.0	2.2.10.6.0	2.5.6.9.0	2.8.3.0.0
¼	0.2.8.3.9	0.5.4.7.6	0.8.0.11.3	0.10.9.3.0	1.1.5.6.9	1.4.1.10.6	1.6.10.2.3	1.9.6.6.0	2.0.2.9.9	2.2.11.1.6	2.5.7.5.3	2.8.3.9.0
½	0.2.8.4.6	0.5.4.9.0	0.8.1.1.6	0.10.9.6.0	1.1.5.10.6	1.4.2.3.0	1.6.10.7.6	1.9.7.0.0	2.0.3.4.6	2.2.11.9.0	2.5.8.1.6	2.8.4.6.0
¾	0.2.8.5.3	0.5.4.10.6	0.8.1.3.9	0.10.9.9.0	1.1.6.2.3	1.4.2.7.6	1.6.11.0.9	1.9.7.6.0	2.0.3.11.3	2.3.0.4.6	2.5.8.9.9	2.8.5.3.0
10.10.0	0.2.8.6.0	0.5.5.0.0	0.8.1.6.0	0.10.10.0.0	1.1.6.6.0	1.4.3.0.0	1.6.11.6.0	1.9.8.0.0	2.0.4.6.0	2.3.1.0.0	2.5.9.6.0	2.8.6.0.0
¼	0.2.8.6.9	0.5.5.1.6	0.8.1.8.3	0.10.10.3.0	1.1.6.9.9	1.4.3.4.6	1.6.11.11.3	1.9.8.6.0	2.0.5.0.9	2.3.1.7.6	2.5.10.2.3	2.8.6.9.0
½	0.2.8.7.6	0.5.5.3.0	0.8.1.10.6	0.10.10.6.0	1.1.7.1.6	1.4.3.9.0	1.7.0.4.6	1.9.9.0.0	2.0.5.7.6	2.3.2.3.0	2.5.10.10.6	2.8.7.6.0
¾	0.2.8.8.3	0.5.5.4.6	0.8.2.0.9	0.10.10.9.0	1.1.7.5.3	1.4.4.1.6	1.7.0.9.9	1.9.9.6.0	2.0.6.2.3	2.3.2.10.6	2.5.11.6.9	2.8.8.3.0
10.11.0	0.2.8.9.0	0.5.5.6.0	0.8.2.3.0	0.10.11.0.0	1.1.7.9.0	1.4.4.6.0	1.7.1.3.0	1.9.10.0.0	2.0.6.9.0	2.3.3.6.0	2.6.0.3.0	2.8.9.0.0
¼	0.2.8.9.9	0.5.5.7.6	0.8.2.5.3	0.10.11.3.0	1.1.8.0.9	1.4.4.10.6	1.7.1.8.3	1.9.10.6.0	2.0.7.3.9	2.3.4.1.6	2.6.0.11.3	2.8.9.9.0
½	0.2.8.10.6	0.5.5.9.0	0.8.2.7.6	0.10.11.6.0	1.1.8.4.6	1.4.5.3.0	1.7.2.1.6	1.9.11.0.0	2.0.7.10.6	2.3.4.9.0	2.6.1.7.6	2.8.10.6.0
¾	0.2.8.11.3	0.5.5.10.6	0.8.2.9.9	0.10.11.9.0	1.1.8.8.3	1.4.5.7.6	1.7.2.6.9	1.9.11.6.0	2.0.8.5.3	2.3.5.4.6	2.6.2.3.9	2.8.11.3.0
11.0.0	0.2.9.0.0	0.5.6.0.0	0.8.3.0.0	0.11.0.0.0	1.1.9.0.0	1.4.6.0.0	1.7.3.0.0	1.10.0.0.0	2.0.9.0.0	2.3.6.0.0	2.6.3.0.0	2.9.0.0.0
¼	0.2.9.0.9	0.5.6.1.6	0.8.3.2.3	0.11.0.3.0	1.1.9.3.9	1.4.6.4.6	1.7.3.5.3	1.10.0.6.0	2.0.9.6.9	2.3.6.7.6	2.6.3.8.3	2.9.0.9.0
½	0.2.9.1.6	0.5.6.3.0	0.8.3.4.6	0.11.0.6.0	1.1.9.7.6	1.4.6.9.0	1.7.3.10.6	1.10.1.0.0	2.0.10.1.6	2.3.7.3.0	2.6.4.4.6	2.9.1.6.0
¾	0.2.9.2.3	0.5.6.4.6	0.8.3.6.9	0.11.0.9.0	1.1.9.11.3	1.4.7.1.6	1.7.4.3.9	1.10.1.6.0	2.0.10.8.3	2.3.7.10.6	2.6.5.0.9	2.9.2.3.0
11.1.0	0.2.9.3.0	0.5.6.6.0	0.8.3.9.0	0.11.1.0.0	1.1.10.3.0	1.4.7.6.0	1.7.4.9.0	1.10.2.0.0	2.0.11.3.0	2.3.8.6.0	2.6.5.9.0	2.9.3.0.0
¼	0.2.9.3.9	0.5.6.7.6	0.8.3.11.3	0.11.1.3.0	1.1.10.6.9	1.4.7.10.6	1.7.5.2.3	1.10.2.6.0	2.0.11.9.9	2.3.9.1.6	2.6.6.5.3	2.9.3.9.0
½	0.2.9.4.6	0.5.6.9.0	0.8.4.1.6	0.11.1.6.0	1.1.10.10.6	1.4.8.3.0	1.7.5.7.6	1.10.3.0.0	2.1.0.4.6	2.3.9.9.0	2.6.7.1.6	2.9.4.6.0
¾	0.2.9.5.3	0.5.6.10.6	0.8.4.3.9	0.11.1.9.0	1.1.11.2.3	1.4.8.7.6	1.7.6.0.9	1.10.3.6.0	2.1.0.11.3	2.3.10.4.6	2.6.7.9.9	2.9.5.3.0
11.2.0	0.2.9.6.0	0.5.7.0.0	0.8.4.6.0	0.11.2.0.0	1.1.11.6.0	1.4.9.0.0	1.7.6.6.0	1.10.4.0.0	2.1.1.6.0	2.3.11.0.0	2.6.8.6.0	2.9.6.0.0
¼	0.2.9.6.9	0.5.7.1.6	0.8.4.8.3	0.11.2.3.0	1.1.11.9.9	1.4.9.4.6	1.7.6.11.3	1.10.4.6.0	2.1.2.0.9	2.3.11.7.6	2.6.9.2.3	2.9.6.9.0
½	0.2.9.7.6	0.5.7.3.0	0.8.4.10.6	0.11.2.6.0	1.2.0.1.6	1.4.9.9.0	1.7.7.4.6	1.10.5.0.0	2.1.2.7.6	2.4.0.3.0	2.6.9.10.6	2.9.7.6.0
¾	0.2.9.8.3	0.5.7.4.6	0.8.5.0.9	0.11.2.9.0	1.2.0.5.3	1.4.10.1.6	1.7.7.9.9	1.10.5.6.0	2.1.3.2.3	2.4.0.10.6	2.6.10.6.9	2.9.8.3.0
11.3.0	0.2.9.9.0	0.5.7.6.0	0.8.5.3.0	0.11.3.0.0	1.2.0.9.0	1.4.10.6.0	1.7.8.3.0	1.10.6.0.0	2.1.3.9.0	2.4.1.6.0	2.6.11.3.0	2.9.9.0.0
¼	0.2.9.9.9	0.5.7.7.6	0.8.5.5.3	0.11.3.3.0	1.2.1.0.9	1.4.10.10.6	1.7.8.8.3	1.10.6.6.0	2.1.4.3.9	2.4.2.1.6	2.6.11.11.3	2.9.9.9.0
½	0.2.9.10.6	0.5.7.9.0	0.8.5.7.6	0.11.3.6.0	1.2.1.4.6	1.4.11.3.0	1.7.9.1.6	1.10.7.0.0	2.1.4.10.6	2.4.2.9.0	2.7.0.7.6	2.9.10.6.0
¾	0.2.9.11.3	0.5.7.10.6	0.8.5.9.9	0.11.3.9.0	1.2.1.8.3	1.4.11.7.6	1.7.9.6.9	1.10.7.6.0	2.1.5.5.3	2.4.3.4.6	2.7.1.3.9	2.9.11.3.0
11.4.0	0.2.10.0.0	0.5.8.0.0	0.8.6.0.0	0.11.4.0.0	1.2.2.0.0	1.5.0.0.0	1.7.10.0.0	1.10.8.0.0	2.1.6.0.0	2.4.4.0.0	2.7.2.0.0	2.10.0.0.0
¼	0.2.10.0.9	0.5.8.1.6	0.8.6.2.3	0.11.4.3.0	1.2.2.3.9	1.5.0.4.6	1.7.10.5.3	1.10.8.6.0	2.1.6.6.9	2.4.4.7.6	2.7.2.8.3	2.10.0.9.0
½	0.2.10.1.6	0.5.8.3.0	0.8.6.4.6	0.11.4.6.0	1.2.2.7.6	1.5.0.9.0	1.7.10.10.6	1.10.9.0.0	2.1.7.1.6	2.4.5.3.0	2.7.3.4.6	2.10.1.6.0
¾	0.2.10.2.3	0.5.8.4.6	0.8.6.6.9	0.11.4.9.0	1.2.2.11.3	1.5.1.1.6	1.7.11.3.9	1.10.9.6.0	2.1.7.8.3	2.4.5.10.6	2.7.4.0.9	2.10.2.3.0
11.5.0	0.2.10.3.0	0.5.8.6.0	0.8.6.9.0	0.11.5.0.0	1.2.3.3.0	1.5.1.6.0	1.7.11.9.0	1.10.10.0.0	2.1.8.3.0	2.4.6.6.0	2.7.4.9.0	2.10.3.0.0
¼	0.2.10.3.9	0.5.8.7.6	0.8.6.11.3	0.11.5.3.0	1.2.3.6.9	1.5.1.10.6	1.8.0.2.3	1.10.10.6.0	2.1.8.9.9	2.4.7.1.6	2.7.5.5.3	2.10.3.9.0
½	0.2.10.4.6	0.5.8.9.0	0.8.7.1.6	0.11.5.6.0	1.2.3.10.6	1.5.2.3.0	1.8.0.7.6	1.10.11.0.0	2.1.9.4.6	2.4.7.9.0	2.7.6.1.6	2.10.4.6.0
¾	0.2.10.5.3	0.5.8.10.6	0.8.7.3.9	0.11.5.9.0	1.2.4.2.3	1.5.2.7.6	1.8.1.0.9	1.10.11.6.0	2.1.9.11.3	2.4.8.4.6	2.7.6.9.9	2.10.5.3.0
11.6.0	0.2.10.6.0	0.5.9.0.0	0.8.7.6.0	0.11.6.0.0	1.2.4.6.0	1.5.3.0.0	1.8.1.6.0	1.11.0.0.0	2.1.10.6.0	2.4.9.0.0	2.7.7.6.0	2.10.6.0.0
¼	0.2.10.6.9	0.5.9.1.6	0.8.7.8.3	0.11.6.3.0	1.2.4.9.9	1.5.3.4.6	1.8.1.11.3	1.11.0.6.0	2.1.11.0.9	2.4.9.7.6	2.7.8.2.3	2.10.6.9.0
½	0.2.10.7.6	0.5.9.3.0	0.8.7.10.6	0.11.6.6.0	1.2.5.1.6	1.5.3.9.0	1.8.2.4.6	1.11.1.0.0	2.1.11.7.6	2.4.10.3.0	2.7.8.10.6	2.10.7.6.0
¾	0.2.10.8.3	0.5.9.4.6	0.8.8.0.9	0.11.6.9.0	1.2.5.5.3	1.5.4.1.6	1.8.2.9.9	1.11.1.6.0	2.2.0.2.3	2.4.10.10.6	2.7.9.6.9	2.10.8.3.0
11.7.0	0.2.10.9.0	0.5.9.6.0	0.8.8.3.0	0.11.7.0.0	1.2.5.9.0	1.5.4.6.0	1.8.3.3.0	1.11.2.0.0	2.2.0.9.0	2.4.11.6.0	2.7.10.3.0	2.10.9.0.0
¼	0.2.10.9.9	0.5.9.7.6	0.8.8.5.3	0.11.7.3.0	1.2.6.0.9	1.5.4.10.6	1.8.3.8.3	1.11.2.6.0	2.2.1.3.9	2.5.0.1.6	2.7.10.11.3	2.10.9.9.0
½	0.2.10.10.6	0.5.9.9.0	0.8.8.7.6	0.11.7.6.0	1.2.6.4.6	1.5.5.3.0	1.8.4.1.6	1.11.3.0.0	2.2.1.10.6	2.5.0.9.0	2.7.11.7.6	2.10.10.6.0
¾	0.2.10.11.3	0.5.9.10.6	0.8.8.9.9	0.11.7.9.0	1.2.6.8.3	1.5.5.7.6	1.8.4.6.9	1.11.3.6.0	2.2.2.5.3	2.5.1.4.6	2.8.0.3.9	2.10.11.3.0
11.8.0	0.2.11.0.0	0.5.10.0.0	0.8.9.0.0	0.11.8.0.0	1.2.7.0.0	1.5.6.0.0	1.8.5.0.0	1.11.4.0.0	2.2.3.0.0	2.5.2.0.0	2.8.1.0.0	2.11.0.0.0
¼	0.2.11.0.9	0.5.10.1.6	0.8.9.2.3	0.11.8.3.0	1.2.7.3.9	1.5.6.4.6	1.8.5.5.3	1.11.4.6.0	2.2.3.6.9	2.5.2.7.6	2.8.1.8.3	2.11.0.9.0
½	0.2.11.1.6	0.5.10.3.0	0.8.9.4.6	0.11.8.6.0	1.2.7.7.6	1.5.6.9.0	1.8.5.10.6	1.11.5.0.0	2.2.4.1.6	2.5.3.3.0	2.8.2.4.6	2.11.1.6.0
¾	0.2.11.2.3	0.5.10.4.6	0.8.9.6.9	0.11.8.9.0	1.2.7.11.3	1.5.7.1.6	1.8.6.3.9	1.11.5.6.0	2.2.4.8.3	2.5.3.10.6	2.8.3.0.9	2.11.2.3.0
11.9.0	0.2.11.3.0	0.5.10.6.0	0.8.9.9.0	0.11.9.0.0	1.2.8.3.0	1.5.7.6.0	1.8.6.9.0	1.11.6.0.0	2.2.5.3.0	2.5.4.6.0	2.8.3.9.0	2.11.3.0.0
¼	0.2.11.3.9	0.5.10.7.6	0.8.9.11.3	0.11.9.3.0	1.2.8.6.9	1.5.7.10.6	1.8.7.2.3	1.11.6.6.0	2.2.5.9.9	2.5.5.1.6	2.8.4.5.3	2.11.3.9.0
½	0.2.11.4.6	0.5.10.9.0	0.8.10.1.6	0.11.9.6.0	1.2.8.10.6	1.5.8.3.0	1.8.7.7.6	1.11.7.0.0	2.2.6.4.6	2.5.5.9.0	2.8.5.1.6	2.11.4.6.0
¾	0.2.11.5.3	0.5.10.10.6	0.8.10.3.9	0.11.9.9.0	1.2.9.2.3	1.5.8.7.6	1.8.8.0.9	1.11.7.6.0	2.2.6.11.3	2.5.6.4.6	2.8.5.9.9	2.11.5.3.0
11.10.0	0.2.11.6.0	0.5.11.0.0	0.8.10.6.0	0.11.10.0.0	1.2.9.6.0	1.5.9.0.0	1.8.8.6.0	1.11.8.0.0	2.2.7.6.0	2.5.7.0.0	2.8.6.6.0	2.11.6.0.0
¼	0.2.11.6.9	0.5.11.1.6	0.8.10.8.3	0.11.10.3.0	1.2.9.9.9	1.5.9.4.6	1.8.8.11.3	1.11.8.6.0	2.2.8.0.9	2.5.7.7.6	2.8.7.2.3	2.11.6.9.0
½	0.2.11.7.6	0.5.11.3.0	0.8.10.10.6	0.11.10.6.0	1.2.10.1.6	1.5.9.9.0	1.8.9.4.6	1.11.9.0.0	2.2.8.7.6	2.5.8.3.0	2.8.7.10.6	2.11.7.6.0
¾	0.2.11.8.3	0.5.11.4.6	0.8.11.0.9	0.11.10.9.0	1.2.10.5.3	1.5.10.1.6	1.8.9.9.9	1.11.9.6.0	2.2.9.2.3	2.5.8.10.6	2.8.8.6.9	2.11.8.3.0
11.11.0	0.2.11.9.0	0.5.11.6.0	0.8.11.3.0	0.11.11.0.0	1.2.10.9.0	1.5.10.6.0	1.8.10.3.0	1.11.10.0.0	2.2.9.9.0	2.5.9.6.0	2.8.9.3.0	2.11.9.0.0
¼	0.2.11.9.9	0.5.11.7.6	0.8.11.5.3	0.11.11.3.0	1.2.11.0.9	1.5.10.10.6	1.8.10.8.3	1.11.10.6.0	2.2.10.3.9	2.5.10.1.6	2.8.9.11.3	2.11.9.9.0
½	0.2.11.10.6	0.5.11.9.0	0.8.11.7.6	0.11.11.6.0	1.2.11.4.6	1.5.11.3.0	1.8.11.1.6	1.11.11.0.0	2.2.10.10.6	2.5.10.9.0	2.8.10.7.6	2.11.10.6.0
¾	0.2.11.11.3	0.5.11.10.6	0.8.11.9.9	0.11.11.9.0	1.2.11.8.3	1.5.11.7.6	1.8.11.6.9	1.11.11.6.0	2.2.11.5.3	2.5.11.4.6	2.8.11.3.9	2.11.11.3.0
12.0.0	0.3.0.0.0	0.6.0.0.0	0.9.0.0.0	1.0.0.0.0	1.3.0.0.0	1.6.0.0.0	1.9.0.0.0	2.0.0.0.0	2.3.0.0.0	2.6.0.0.0	2.9.0.0.0	3.0.0.0.0
¼	0.3.0.0.9	0.6.0.1.6	0.9.0.2.3	1.0.0.3.0	1.3.0.3.9	1.6.0.4.6	1.9.0.5.3	2.0.0.6.0	2.3.0.6.9	2.6.0.7.6	2.9.0.8.3	3.0.0.9.0
½	0.3.0.1.6	0.6.0.3.0	0.9.0.4.6	1.0.0.6.0	1.3.0.7.6	1.6.0.9.0	1.9.0.10.6	2.0.1.0.0	2.3.1.1.6	2.6.1.3.0	2.9.1.4.6	3.0.1.6.0
¾	0.3.0.2.3	0.6.0.4.6	0.9.0.6.9	1.0.0.9.0	1.3.0.11.3	1.6.1.1.6	1.9.1.3.9	2.0.1.6.0	2.3.1.8.3	2.6.1.10.6	2.9.2.0.9	3.0.2.3.0
12.1.0	0.3.0.3.0	0.6.0.6.0	0.9.0.9.0	1.0.1.0.0	1.3.1.3.0	1.6.1.6.0	1.9.1.9.0	2.0.2.0.0	2.3.2.3.0	2.6.2.6.0	2.9.2.9.0	3.0.3.0.0
¼	0.3.0.3.9	0.6.0.7.6	0.9.0.11.3	1.0.1.3.0	1.3.1.6.9	1.6.1.10.6	1.9.2.2.3	2.0.2.6.0	2.3.2.9.9	2.6.3.1.6	2.9.3.5.3	3.0.3.9.0
½	0.3.0.4.6	0.6.0.9.0	0.9.1.1.6	1.0.1.6.0	1.3.1.10.6	1.6.2.3.0	1.9.2.7.6	2.0.3.0.0	2.3.3.4.6	2.6.3.9.0	2.9.4.1.6	3.0.4.6.0
¾	0.3.0.5.3	0.6.0.10.6	0.9.1.3.9	1.0.1.9.0	1.3.2.2.3	1.6.2.7.6	1.9.3.0.9	2.0.3.6.0	2.3.3.11.3	2.6.4.4.6	2.9.4.9.9	3.0.5.3.0
12.2.0	0.3.0.6.0	0.6.1.0.0	0.9.1.6.0	1.0.2.0.0	1.3.2.6.0	1.6.3.0.0	1.9.3.6.0	2.0.4.0.0	2.3.4.6.0	2.6.5.0.0	2.9.5.6.0	3.0.6.0.0
¼	0.3.0.6.9	0.6.1.1.6	0.9.1.8.3	1.0.2.3.0	1.3.2.9.9	1.6.3.4.6	1.9.3.11.3	2.0.4.6.0	2.3.5.0.9	2.6.5.7.6	2.9.6.2.3	3.0.6.9.0
½	0.3.0.7.6	0.6.1.3.0	0.9.1.10.6	1.0.2.6.0	1.3.3.1.6	1.6.3.9.0	1.9.4.4.6	2.0.5.0.0	2.3.5.7.6	2.6.6.3.0	2.9.6.10.6	3.0.7.6.0
¾	0.3.0.8.3	0.6.1.4.6	0.9.2.0.9	1.0.2.9.0	1.3.3.5.3	1.6.4.1.6	1.9.4.9.9	2.0.5.6.0	2.3.6.2.3	2.6.6.10.6	2.9.7.6.9	3.0.8.3.0
12.3.0	0.3.0.9.0	0.6.1.6.0	0.9.2.3.0	1.0.3.0.0	1.3.3.9.0	1.6.4.6.0	1.9.5.3.0	2.0.6.0.0	2.3.6.9.0	2.6.7.6.0	2.9.8.3.0	3.0.9.0.0
¼	0.3.0.9.9	0.6.1.7.6	0.9.2.5.3	1.0.3.3.0	1.3.4.0.9	1.6.4.10.6	1.9.5.8.3	2.0.6.6.0	2.3.7.3.9	2.6.8.1.6	2.9.8.11.3	3.0.9.9.0
½	0.3.0.10.6	0.6.1.9.0	0.9.2.7.6	1.0.3.6.0	1.3.4.4.6	1.6.5.3.0	1.9.6.1.6	2.0.7.0.0	2.3.7.10.6	2.6.8.9.0	2.9.9.7.6	3.0.10.6.0
¾	0.3.0.11.3	0.6.1.10.6	0.9.2.9.9	1.0.3.9.0	1.3.4.8.3	1.6.5.7.6	1.9.6.6.9	2.0.7.6.0	2.3.8.5.3	2.6.9.4.6	2.9.10.3.9	3.0.11.3.0
12.4.0	0.3.1.0.0	0.6.2.0.0	0.9.3.0.0	1.0.4.0.0	1.3.5.0.0	1.6.6.0.0	1.9.7.0.0	2.0.8.0.0	2.3.9.0.0	2.6.10.0.0	2.9.11.0.0	3.1.0.0.0
¼	0.3.1.0.9	0.6.2.1.6	0.9.3.2.3	1.0.4.3.0	1.3.5.3.9	1.6.6.4.6	1.9.7.5.3	2.0.8.6.0	2.3.9.6.9	2.6.10.7.6	2.9.11.8.3	3.1.0.9.0
½	0.3.1.1.6	0.6.2.3.0	0.9.3.4.6	1.0.4.6.0	1.3.5.7.6	1.6.6.9.0	1.9.7.10.6	2.0.9.0.0	2.3.10.1.6	2.6.11.3.0	2.10.0.4.6	3.1.1.6.0
¾	0.3.1.2.3	0.6.2.4.6	0.9.3.6.9	1.0.4.9.0	1.3.5.11.3	1.6.7.1.6	1.9.8.3.9	2.0.9.6.0	2.3.10.8.3	2.6.11.10.6	2.10.1.0.9	3.1.2.3.0
12.5.0	0.3.1.3.0	0.6.2.6.0	0.9.3.9.0	1.0.5.0.0	1.3.6.3.0	1.6.7.6.0	1.9.8.9.0	2.0.10.0.0	2.3.11.3.0	2.7.0.6.0	2.10.1.9.0	3.1.3.0.0
¼	0.3.1.3.9	0.6.2.7.6	0.9.3.11.3	1.0.5.3.0	1.3.6.6.9	1.6.7.10.6	1.9.9.2.3	2.0.10.6.0	2.3.11.9.9	2.7.1.1.6	2.10.2.5.3	3.1.3.9.0
½	0.3.1.4.6	0.6.2.9.0	0.9.4.1.6	1.0.5.6.0	1.3.6.10.6	1.6.8.3.0	1.9.9.7.6	2.0.11.0.0	2.4.0.4.6	2.7.1.9.0	2.10.3.1.6	3.1.4.6.0
¾	0.3.1.5.3	0.6.2.10.6	0.9.4.3.9	1.0.5.9.0	1.3.7.2.3	1.6.8.7.6	1.9.10.0.9	2.0.11.6.0	2.4.0.11.3	2.7.2.4.6	2.10.3.9.9	3.1.5.3.0

A TABLE OF FEET AND INCHES

from twelve Foot six Inches by one Quarter of an Inch, to fourteen Foot eleven Inches three Quarters by 3 Inches.

F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	0 0 1/4	0 0 1/2	0 0 3/4	0 1 0	0 1 1/4	0 1 1/2	0 1 3/4	0 2 0	0 2 1/4	0 2 1/2	0 2 3/4	0 3 0
12.6.0	0.3.1.6.0	0.6.3.0.0	0.9.4.6.0	1.0.6.0.0	1.3.7.6.0	1.6.9.0.0	1.9.10.6.0	2.1.0.0.0	2.4.1.6.0	2.7.3.0.0	2.10.4.6.0	3.1.6.0.0
1/4	0.3.1.6.9	0.6.3.1.6	0.9.4.8.3	1.0.6.3.0	1.3.7.9.9	1.6.9.4.6	1.9.10.11.3	2.1.0.6.0	2.4.2.0.9	2.7.3.7.6	2.10.5.2.3	3.1.6.9.0
1/2	0.3.1.7.6	0.6.3.3.0	0.9.4.10.6	1.0.6.6.0	1.3.8.1.6	1.6.9.9.0	1.9.11.4.6	2.1.1.0.0	2.4.2.7.6	2.7.4.3.0	2.10.5.10.6	3.1.7.6.0
3/4	0.3.1.8.3	0.6.3.4.6	0.9.5.0.9	1.0.6.9.0	1.3.8.5.3	1.6.10.1.6	1.9.11.9.9	2.1.1.6.0	2.4.3.2.3	2.7.4.10.6	2.10.6.6.9	3.1.8.3.0
12.7.0	0.3.1.9.0	0.6.3.6.0	0.9.5.3.0	1.0.7.0.0	1.3.8.9.0	1.6.10.6.0	1.10.0.3.0	2.1.2.0.0	2.4.3.9.0	2.7.5.6.0	2.10.7.3.0	3.1.9.0.0
1/4	0.3.1.9.9	0.6.3.7.6	0.9.5.5.3	1.0.7.3.0	1.3.9.0.9	1.6.10.10.6	1.10.0.8.3	2.1.2.6.0	2.4.4.3.9	2.7.6.1.6	2.10.7.11.3	3.1.9.9.0
1/2	0.3.1.10.6	0.6.3.9.0	0.9.5.7.6	1.0.7.6.0	1.3.9.4.6	1.6.11.3.0	1.10.1.1.6	2.1.3.0.0	2.4.4.10.6	2.7.6.9.0	2.10.8.7.6	3.1.10.6.0
3/4	0.3.1.11.3	0.6.3.10.6	0.9.5.9.9	1.0.7.9.0	1.3.9.8.3	1.6.11.7.6	1.10.1.6.9	2.1.3.6.0	2.4.5.5.3	2.7.7.4.6	2.10.9.3.9	3.1.11.3.0
12.8.0	0.3.2.0.0	0.6.4.0.0	0.9.6.0.0	1.0.8.0.0	1.3.10.0.0	1.7.0.0.0	1.10.2.0.0	2.1.4.0.0	2.4.6.0.0	2.7.8.0.0	2.10.10.0.0	3.2.0.0.0
1/4	0.3.2.0.9	0.6.4.1.6	0.9.6.2.3	1.0.8.3.0	1.3.10.3.9	1.7.0.4.6	1.10.2.5.3	2.1.4.6.0	2.4.6.6.9	2.7.8.7.6	2.10.10.8.3	3.2.0.9.0
1/2	0.3.2.1.6	0.6.4.3.0	0.9.6.4.6	1.0.8.6.0	1.3.10.7.6	1.7.0.9.0	1.10.2.10.6	2.1.5.0.0	2.4.7.1.6	2.7.9.3.0	2.10.11.4.6	3.2.1.6.0
3/4	0.3.2.2.3	0.6.4.4.6	0.9.6.6.9	1.0.8.9.0	1.3.10.11.3	1.7.1.1.6	1.10.3.3.9	2.1.5.6.0	2.4.7.8.3	2.7.9.10.6	2.11.0.0.9	3.2.2.3.0
12.9.0	0.3.2.3.0	0.6.4.6.0	0.9.6.9.0	1.0.9.0.0	1.3.11.3.0	1.7.1.6.0	1.10.3.9.0	2.1.6.0.0	2.4.8.3.0	2.7.10.6.0	2.11.0.9.0	3.2.3.0.0
1/4	0.3.2.3.9	0.6.4.7.6	0.9.6.11.3	1.0.9.3.0	1.3.11.6.9	1.7.1.10.6	1.10.4.2.3	2.1.6.6.0	2.4.8.9.9	2.7.11.1.6	2.11.1.5.3	3.2.3.9.0
1/2	0.3.2.4.6	0.6.4.9.0	0.9.7.1.6	1.0.9.6.0	1.3.11.10.6	1.7.2.3.0	1.10.4.7.6	2.1.7.0.0	2.4.9.4.6	2.7.11.9.0	2.11.2.1.6	3.2.4.6.0
3/4	0.3.2.5.3	0.6.4.10.6	0.9.7.3.9	1.0.9.9.0	1.4.0.2.3	1.7.2.7.6	1.10.5.0.9	2.1.7.6.0	2.4.9.11.3	2.8.0.4.6	2.11.2.9.9	3.2.5.3.0
12.10.0	0.3.2.6.0	0.6.5.0.0	0.9.7.6.0	1.0.10.0.0	1.4.0.0.0	1.7.3.0.0	1.10.5.6.0	2.1.8.0.0	2.4.10.6.0	2.8.1.0.0	2.11.3.6.0	3.2.6.0.0
1/4	0.3.2.6.9	0.6.5.1.6	0.9.7.8.3	1.0.10.3.0	1.4.0.9.9	1.7.3.4.6	1.10.5.11.3	2.1.8.6.0	2.4.11.0.9	2.8.1.7.6	2.11.4.2.3	3.2.6.9.0
1/2	0.3.2.7.6	0.6.5.3.0	0.9.7.10.6	1.0.10.6.0	1.4.1.1.6	1.7.3.9.0	1.10.6.4.6	2.1.9.0.0	2.4.11.7.6	2.8.2.3.0	2.11.4.10.6	3.2.7.6.0
3/4	0.3.2.8.3	0.6.5.4.6	0.9.8.0.9	1.0.10.9.0	1.4.1.5.3	1.7.4.1.6	1.10.6.9.9	2.1.9.6.0	2.5.0.2.3	2.8.2.10.6	2.11.5.6.9	3.2.8.3.0
12.11.0	0.3.2.9.0	0.6.5.6.0	0.9.8.3.0	1.0.11.0.0	1.4.1.9.0	1.7.4.6.0	1.10.7.3.0	2.1.10.0.0	2.5.0.9.0	2.8.3.6.0	2.11.6.3.0	3.2.9.0.0
1/4	0.3.2.9.9	0.6.5.7.6	0.9.8.5.3	1.0.11.3.0	1.4.2.0.9	1.7.4.10.6	1.10.7.8.3	2.1.10.6.0	2.5.1.3.9	2.8.4.1.6	2.11.6.11.3	3.2.9.9.0
1/2	0.3.2.10.6	0.6.5.9.0	0.9.8.7.6	1.0.11.6.0	1.4.2.4.6	1.7.5.3.0	1.10.8.1.6	2.1.11.0.0	2.5.1.10.6	2.8.4.9.0	2.11.7.7.6	3.2.10.6.0
3/4	0.3.2.11.3	0.6.5.10.6	0.9.8.9.9	1.0.11.9.0	1.4.2.8.3	1.7.5.7.6	1.10.8.6.9	2.1.11.6.0	2.5.2.5.3	2.8.5.4.6	2.11.8.3.9	3.2.11.3.0
13.0.0	0.3.3.0.0	0.6.6.0.0	0.9.9.0.0	1.1.0.0.0	1.4.3.0.0	1.7.6.0.0	1.10.9.0.0	2.2.0.0.0	2.5.3.0.0	2.8.6.0.0	2.11.9.0.0	3.3.0.0.0
1/4	0.3.3.0.9	0.6.6.1.6	0.9.9.2.3	1.1.0.3.0	1.4.3.3.9	1.7.6.4.6	1.10.9.5.3	2.2.0.6.0	2.5.3.6.9	2.8.6.7.6	2.11.9.8.3	3.3.0.9.0
1/2	0.3.3.1.6	0.6.6.3.0	0.9.9.4.6	1.1.0.6.0	1.4.3.7.6	1.7.6.9.0	1.10.9.10.6	2.2.1.0.0	2.5.4.1.6	2.8.7.3.0	2.11.10.4.6	3.3.1.6.0
3/4	0.3.3.2.3	0.6.6.4.6	0.9.9.6.9	1.1.0.9.0	1.4.3.11.3	1.7.7.1.6	1.10.10.3.9	2.2.1.6.0	2.5.4.8.3	2.8.7.10.6	2.11.11.0.9	3.3.2.3.0
13.1.0	0.3.3.3.0	0.6.6.6.0	0.9.9.9.0	1.1.1.0.0	1.4.4.3.0	1.7.7.6.0	1.10.10.9.0	2.2.2.0.0	2.5.5.3.0	2.8.8.6.0	2.11.11.9.0	3.3.3.0.0
1/4	0.3.3.3.9	0.6.6.7.6	0.9.9.11.3	1.1.1.3.0	1.4.4.6.9	1.7.7.10.6	1.10.11.2.3	2.2.2.6.0	2.5.5.9.9	2.8.9.1.6	3.0.0.5.3	3.3.3.9.0
1/2	0.3.3.4.6	0.6.6.9.0	0.9.10.1.6	1.1.1.6.0	1.4.4.10.6	1.7.8.3.0	1.10.11.7.6	2.2.3.0.0	2.5.6.4.6	2.8.9.9.0	3.0.1.1.6	3.3.4.6.0
3/4	0.3.3.5.3	0.6.6.10.6	0.9.10.3.9	1.1.1.9.0	1.4.5.2.3	1.7.8.7.6	1.11.0.0.9	2.2.3.6.0	2.5.6.11.3	2.8.10.4.6	3.0.1.9.9	3.3.5.3.0
13.2.0	0.3.3.6.0	0.6.7.0.0	0.9.10.6.0	1.1.2.0.0	1.4.5.6.0	1.7.9.0.0	1.11.0.6.0	2.2.4.0.0	2.5.7.6.0	2.8.11.0.0	3.0.2.6.0	3.3.6.0.0
1/4	0.3.3.6.9	0.6.7.1.6	0.9.10.8.3	1.1.2.3.0	1.4.5.9.9	1.7.9.4.6	1.11.0.11.3	2.2.4.6.0	2.5.8.0.9	2.8.11.7.6	3.0.3.2.3	3.3.6.9.0
1/2	0.3.3.7.6	0.6.7.3.0	0.9.10.10.6	1.1.2.6.0	1.4.6.1.6	1.7.9.9.0	1.11.1.4.6	2.2.5.0.0	2.5.8.7.6	2.9.0.3.0	3.0.3.10.6	3.3.7.6.0
3/4	0.3.3.8.3	0.6.7.4.6	0.9.11.0.9	1.1.2.9.0	1.4.6.5.3	1.7.10.1.6	1.11.1.9.9	2.2.5.6.0	2.5.9.2.3	2.9.0.10.6	3.0.4.6.9	3.3.8.3.0
13.3.0	0.3.3.9.0	0.6.7.6.0	0.9.11.3.0	1.1.3.0.0	1.4.6.9.0	1.7.10.6.0	1.11.2.3.0	2.2.6.0.0	2.5.9.9.0	2.9.1.6.0	3.0.5.3.0	3.3.9.0.0
1/4	0.3.3.9.9	0.6.7.7.6	0.9.11.5.3	1.1.3.3.0	1.4.7.0.9	1.7.10.10.6	1.11.2.8.3	2.2.6.6.0	2.5.10.3.9	2.9.2.1.6	3.0.5.11.3	3.3.9.9.0
1/2	0.3.3.10.6	0.6.7.9.0	0.9.11.7.6	1.1.3.6.0	1.4.7.4.6	1.7.11.3.0	1.11.3.1.6	2.2.7.0.0	2.5.10.10.6	2.9.2.9.0	3.0.6.7.6	3.3.10.6.0
3/4	0.3.3.11.3	0.6.7.10.6	0.9.11.9.9	1.1.3.9.0	1.4.7.8.3	1.7.11.7.6	1.11.3.6.9	2.2.7.6.0	2.5.11.5.3	2.9.3.4.6	3.0.7.3.9	3.3.11.3.0
13.4.0	0.3.4.0.0	0.6.8.0.0	0.10.0.0.0	1.1.4.0.0	1.4.8.0.0	1.8.0.0.0	1.11.4.0.0	2.2.8.0.0	2.6.0.0.0	2.9.4.0.0	3.0.8.0.0	3.4.0.0.0
1/4	0.3.4.0.9	0.6.8.1.6	0.10.0.2.3	1.1.4.3.0	1.4.8.3.9	1.8.0.4.6	1.11.4.5.3	2.2.8.6.0	2.6.0.6.9	2.9.4.7.6	3.0.8.8.3	3.4.0.9.0
1/2	0.3.4.1.6	0.6.8.3.0	0.10.0.4.6	1.1.4.6.0	1.4.8.7.6	1.8.0.9.0	1.11.4.10.6	2.2.9.0.0	2.6.1.1.6	2.9.5.3.0	3.0.9.4.6	3.4.1.6.0
3/4	0.3.4.2.3	0.6.8.4.6	0.10.0.6.9	1.1.4.9.0	1.4.8.11.3	1.8.1.1.6	1.11.5.3.9	2.2.9.6.0	2.6.1.8.3	2.9.5.10.6	3.0.10.0.9	3.4.2.3.0
13.5.0	0.3.4.3.0	0.3.8.6.0	0.10.0.9.0	1.1.5.0.0	1.4.9.3.0	1.8.1.6.0	1.11.5.9.0	2.2.10.0.0	2.6.2.3.0	2.9.6.6.0	3.0.10.9.0	3.4.3.0.0
1/4	0.3.4.3.9	0.3.8.7.6	0.10.0.11.3	1.1.5.3.0	1.4.9.6.9	1.8.1.10.6	1.11.6.2.3	2.2.10.6.0	2.6.2.9.9	2.9.7.1.6	3.0.11.5.3	3.4.3.9.0
1/2	0.3.4.4.6	0.3.8.9.0	0.10.1.1.6	1.1.5.6.0	1.4.9.10.6	1.8.2.3.0	1.11.6.7.6	2.2.11.0.0	2.6.3.4.6	2.9.7.9.0	3.1.0.1.6	3.4.4.6.0
3/4	0.3.4.5.3	0.3.8.10.6	0.10.1.3.9	1.1.5.9.0	1.4.10.2.3	1.8.2.7.6	1.11.7.0.9	2.2.11.6.0	2.6.3.11.3	2.9.8.4.6	3.1.0.9.9	3.4.5.3.0
13.6.0	0.3.4.6.0	0.6.9.0.0	0.10.1.6.0	1.1.6.0.0	1.4.10.6.0	1.8.3.0.0	1.11.7.6.0	2.3.0.0.0	2.6.4.6.0	2.9.9.0.0	3.1.1.6.0	3.4.6.0.0
1/4	0.3.4.6.9	0.6.9.1.6	0.10.1.8.3	1.1.6.3.0	1.4.10.9.9	1.8.3.4.6	1.11.7.11.3	2.3.0.6.0	2.6.5.0.9	2.9.9.7.6	3.1.2.2.3	3.4.6.9.0
1/2	0.3.4.7.6	0.6.9.3.0	0.10.1.10.6	1.1.6.6.0	1.4.11.1.6	1.8.3.9.0	1.11.8.4.6	2.3.1.0.0	2.6.5.7.6	2.9.10.3.0	3.1.2.10.6	3.4.7.6.0
3/4	0.3.4.8.3	0.6.9.4.6	0.10.2.0.9	1.1.6.9.0	1.4.11.5.3	1.8.4.1.6	1.11.8.9.9	2.3.1.6.0	2.6.6.2.3	2.9.10.10.6	3.1.3.6.9	3.4.8.3.0
13.7.0	0.3.4.9.0	0.6.9.6.0	0.10.2.3.0	1.1.7.0.0	1.4.11.9.0	1.8.4.6.0	1.11.9.3.0	2.3.2.0.0	2.6.6.9.0	2.9.11.6.0	3.1.4.3.0	3.4.9.0.0
1/4	0.3.4.9.9	0.6.9.7.6	0.10.2.5.3	1.1.7.3.0	1.5.0.0.9	1.8.4.10.6	1.11.9.8.3	2.3.2.6.0	2.6.7.3.9	2.10.0.1.6	3.1.4.11.3	3.4.9.9.0
1/2	0.3.4.10.6	0.6.9.9.0	0.10.2.7.6	1.1.7.6.0	1.5.0.4.6	1.8.5.3.0	1.11.10.1.6	2.3.3.0.0	2.6.7.10.6	2.10.0.9.0	3.1.5.7.6	3.4.10.6.0
3/4	0.3.4.11.3	0.6.9.10.6	0.10.2.9.0	1.1.7.9.0	1.5.0.8.3	1.8.5.7.6	1.11.10.6.9	2.3.3.6.0	2.6.8.5.3	2.10.1.4.6	3.1.6.3.9	3.4.11.3.0
13.8.0	0.3.5.0.0	0.6.10.0.0	0.10.3.0.0	1.1.8.0.0	1.5.1.0.0	1.8.6.0.0	1.11.11.0.0	2.3.4.0.0	2.6.9.0.0	2.10.2.0.0	3.1.7.0.0	3.5.0.0.0
1/4	0.3.5.0.9	0.6.10.1.6	0.10.3.2.3	1.1.8.3.0	1.5.1.3.9	1.8.6.4.6	1.11.11.5.3	2.3.4.6.0	2.6.9.6.9	2.10.2.7.6	3.1.7.8.3	3.5.0.9.0
1/2	0.3.5.1.6	0.6.10.3.0	0.10.3.4.6	1.1.8.6.0	1.5.1.7.6	1.8.6.9.0	1.11.11.10.6	2.3.5.0.0	2.6.10.1.6	2.10.3.3.0	3.1.8.4.6	3.5.1.6.0
3/4	0.3.5.2.3	0.6.10.4.6	0.10.3.6.9	1.1.8.9.0	1.5.1.11.3	1.8.7.1.6	2.0.0.3.9	2.3.5.6.0	2.6.10.8.3	2.10.3.10.6	3.1.9.0.9	3.5.2.3.0
13.9.0	0.3.5.3.0	0.6.10.6.0	0.10.3.9.0	1.1.9.0.0	1.5.2.3.0	1.8.7.6.0	2.0.0.9.0	2.3.6.0.0	2.6.11.3.0	2.10.4.6.0	3.1.9.9.0	3.5.3.0.0
1/4	0.3.5.3.9	0.6.10.7.6	0.10.3.11.3	1.1.9.3.0	1.5.2.0.9	1.8.7.10.6	2.0.1.2.3	2.3.6.6.0	2.6.11.9.9	2.10.5.1.6	3.1.10.5.3	3.5.3.9.0
1/2	0.3.5.4.6	0.6.10.9.0	0.10.4.1.6	1.1.9.6.0	1.5.2.10.6	1.8.8.3.0	2.0.1.7.6	2.3.7.0.0	2.7.0.4.6	2.10.5.9.0	3.1.11.1.6	3.5.4.6.0
3/4	0.3.5.5.3	0.6.10.10.6	0.10.4.3.9	1.1.9.9.0	1.5.3.2.3	1.8.8.7.6	2.0.2.0.9	2.3.7.6.0	2.7.0.11.3	2.10.6.4.6	3.1.11.9.9	3.5.5.3.0
13.10.0	0.3.5.6.0	0.6.11.0.0	0.10.4.6.0	1.1.10.0.0	1.5.3.6.0	1.8.9.0.0	2.0.2.6.0	2.3.8.0.0	2.7.1.6.0	2.10.7.0.0	3.2.0.6.0	3.5.6.0.0
1/4	0.3.5.6.9	0.6.11.1.6	0.10.4.8.3	1.1.10.3.0	1.5.3.9.9	1.8.9.4.6	2.0.2.11.3	2.3.8.6.0	2.7.2.0.9	2.10.7.7.6	3.2.1.2.3	3.5.6.9.0
1/2	0.3.5.7.6	0.6.11.3.0	0.10.4.10.6	1.1.10.6.0	1.5.4.1.6	1.8.9.9.0	2.0.3.4.6	2.3.9.0.0	2.7.2.7.6	2.10.8.3.0	3.2.1.10.6	3.5.7.6.0
3/4	0.3.5.8.3	0.6.11.4.6	0.10.5.0.9	1.1.10.9.0	1.5.4.5.3	1.8.10.1.6	2.0.3.9.9	2.3.9.6.0	2.7.3.2.3	2.10.8.10.6	3.2.2.6.9	3.5.8.3.0
13.11.0	0.3.5.9.0	0.6.11.6.0	0.10.5.3.0	1.1.11.0.0	1.5.4.9.0	1.8.10.6.0	2.0.4.3.0	2.3.10.0.0	2.7.3.9.0	2.10.9.6.0	3.2.3.3.0	3.5.9.0.0
1/4	0.3.5.9.9	0.6.11.7.6	0.10.5.5.3	1.1.11.3.0	1.5.5.0.9	1.8.10.10.6	2.0.4.8.3	2.3.10.6.0	2.7.4.3.9	2.10.10.1.6	3.2.3.11.3	3.5.9.9.0
1/2	0.3.5.10.6	0.6.11.9.0	0.10.5.7.6	1.1.11.6.0	1.5.5.4.6	1.8.11.3.0	2.0.5.1.6	2.3.11.0.0	2.7.4.10.6	2.10.10.9.0	3.2.4.7.6	3.5.10.6.0
3/4	0.3.5.11.3	0.6.11.10.6	0.10.5.9.9	1.1.11.9.0	1.5.5.8.3	1.8.11.7.6	2.0.5.6.9	2.3.11.6.0	2.7.5.5.3	2.10.11.4.6	3.2.5.3.9	3.5.11.3.0
14.0.0	0.3.6.0.0	0.7.0.0.0	0.10.6.0.0	1.2.0.0.0	1.5.6.0.0	1.9.0.0.0	2.0.6.0.0	2.4.0.0.0	2.7.6.0.0	2.11.0.0.0	3.2.6.0.0	3.6.0.0.0
1/4	0.3.6.0.9	0.7.0.1.6	0.10.6.2.3	1.2.0.3.0	1.5.6.3.9	1.9.0.4.6	2.0.6.5.3	2.4.0.6.0	2.7.6.0.9	2.11.0.7.6	3.2.6.8.3	3.6.0.9.0
1/2	0.3.6.1.6	0.7.0.3.0	0.10.6.4.6	1.2.0.6.0	1.5.6.7.6	1.9.0.9.0	2.0.6.10.6	2.4.1.0.0	2.7.7.1.6	2.11.1.3.0	3.2.7.4.6	3.6.1.6.0
3/4	0.3.6.2.3	0.7.0.4.6	0.10.6.6.9	1.2.0.9.0	1.5.6.11.3	1.9.1.1.6	2.0.7.3.9	2.4.1.6.0	2.7.7.8.3	2.11.1.10.6	3.2.8.0.9	3.6.2.3.0
14.1.0	0.3.6.3.0	0.7.0.6.0	0.10.6.9.0	1.2.1.0.0	1.5.7.3.0	1.9.1.6.0	2.0.7.9.0	2.4.2.0.0	2.7.8.3.0	2.11.2.6.0	3.2.8.9.0	3.6.3.0.0
1/4	0.3.6.3.9	0.7.0.7.6	0.10.6.11.3	1.2.1.3.0	1.5.7.6.9	1.9.1.10.6	2.0.8.2.3	2.4.2.6.0	2.7.8.9.9	2.11.3.1.6	3.2.9.5.3	3.6.3.9.0
1/2	0.3.6.4.6	0.7.0.9.0	0.10.7.1.6	1.2.1.6.0	1.5.7.10.6	1.9.2.3.0	2.0.8.7.6	2.4.3.0.0	2.7.9.4.6	2.11.3.9.0	3.2.10.1.6	3.6.4.6.0
3/4	0.3.6.5.3	0.7.0.10.6	0.10.7.3.9	1.2.1.9.0	1.5.8.2.3	1.9.2.7.6	2.0.9.0.9	2.4.3.6.0	2.7.9.11.3	2.11.4.4.6	3.2.10.9.9	3.6.5.3.0
14.2.0	0.3.6.6.0	0.7.1.0.0	0.10.7.6.0	1.2.2.0.0	1.5.8.6.0	1.9.3.0.0	2.0.9.6.0	2.4.4.0.0	2.7.10.6.0	2.11.5.0.0	3.2.11.6.0	3.6.6.0.0
1/4	0.3.6.6.9	0.7.1.1.6	0.10.7.8.3	1.2.2.3.0	1.5.8.9.9	1.9.3.4.6	2.0.9.11.3	2.4.4.6.0	2.7.11.0.9	2.11.5.7.6	3.3.0.2.3	3.6.6.9.0
1/2	0.3.6.7.6	0.7.1.3.0	0.10.7.10.6	1.2.2.6.0	1.5.9.1.6	1.9.3.9.0	2.0.10.4.6	2.4.5.0.0	2.7.11.7.6	2.11.6.3.0	3.3.0.10.6	3.6.7.6.0
3/4	0.3.6.8.3	0.7.1.4.6	0.10.8.0.9	1.2.2.0.0	1.5.9.5.3	1.9.4.1.6	2.0.10.9.9	2.4.5.6.0	2.8.0.2.3	2.11.6.10.6	3.3.1.6.9	3.6.8.3.0
14.3.0	0.3.6.9.0	0.7.1.6.0	0.10.8.3.0	1.2.3.0.0	1.5.9.9.0	1.9.4.6.0	2.0.11.3.0	2.4.6.0.0	2.8.0.0.0	2.11.7.6.0	3.3.2.3.0	3.6.9.0.0
1/4	0.3.6.9.9	0.7.1.7.6	0.10.8.5.3	1.2.3.3.0	1.5.10.0.9	1.9.4.10.6	2.0.11.8.3	2.4.6.6.0	2.8.1.3.9	2.11.8.1.6	3.3.2.11.3	3.6.9.9.0
1/2	0.3.6.10.6	0.7.1.9.0	0.10.8.7.6	1.2.3.6.0	1.5.10.4.6	1.9.5.3.0	2.1.0.1.6	2.4.7.0.0	2.8.1.10.6	2.11.8.9.0	3.3.3.7.6	3.6.10.6.0
3/4	0.3.6.11.3	0.7.1.10.6	0.10.8.9.9	1.2.3.9.0	1.5.10.8.3	1.9.5.7.6	2.1.0.6.9	2.4.7.6.0	2.8.2.5.3	2.11.9.4.6	3.3.4.3.9	3.6.11.3.0
14.4.0	0.3.7.0.0	0.7.2.0.0	0.10.9.0.0	1.2.4.0.0	1.5.11.0.0	1.9.6.0.0	2.1.1.0.0	2.4.8.0.0	2.8.3.0.0	2.11.10.0.0	3.3.5.0.0	3.7.0.0.0
1/4	0.3.7.0.9	0.7.2.1.6	0.10.9.2.3	1.2.4.3.0	1.5.11.3.9	1.9.6.4.6	2.1.1.5.3	2.4.8.6.0	2.8.3.6.9	2.11.10.7.6	3.3.5.8.3	3.7.0.9.0
1/2	0.3.7.1.6	0.7.2.3.0	0.10.9.4.6	1.2.4.6.0	1.5.11.7.6	1.9.6.9.0	2.1.1.10.6	2.4.9.0.0	2.8.4.1.6	2.11.11.3.0	3.3.6.4.6	3.7.1.6.0
3/4	0.3.7.2.3	0.7.2.4.6	0.10.9.6.9	1.2.4.9.0	1.5.11.11.3	1.9.7.1.6	2.1.2.3.9	2.4.9.6.0	2.8.4.8.3	2.11.11.10.6	3.3.7.0.9	3.7.2.3.0
14.5.0	0.3.7.3.0	0.7.2.6.0	0.10.9.9.0	1.2.5.0.0	1.6.0.3.0	1.9.7.6.0	2.1.2.9.0	2.4.10.0.0	2.8.5.3.0	3.0.0.6.0	3.3.7.9.0	3.7.3.0.0
1/4	0.3.7.3.9	0.7.2.7.6	0.10.9.11.3	1.2.5.3.0	1.6.0.6.9	1.9.7.10.6	2.1.3.2.3	2.4.10.6.0	2.8.5.9.9	3.0.1.1.6	3.3.8.5.3	3.7.3.9.0
1/2	0.3.7.4.6	0.7.2.9.0	0.10.10.1.6	1.2.5.6.0	1.6.0.10.6	1.9.8.3.0	2.1.3.7.6	2.4.11.0.0	2.8.6.4.6	3.0.1.9.0	3.3.9.1.6	3.7.4.6.0
3/4	0.3.7.5.3	0.7.2.10.6	0.10.10.3.9	1.2.5.9.0	1.6.1.2.3	1.9.8.7.6	2.1.4.0.9	2.4.11.6.0	2.8.6.11.3	3.0.2.4.6	3.3.9.9.9	3.7.5.3.0
14.6.0	0.3.7.6.0	0.7.3.0.0	0.10.10.6.0	1.2.6.0.0	1.6.1.6.0	1.9.9.0.0	2.1.4.6.0	2.5.0.0.0	2.8.7.6.0	3.0.3.0.0	3.3.10.6.0	3.7.6.0.0
1/4	0.3.7.6.9	0.7.3.1.6	0.10.10.8.3	1.2.6.3.0	1.6.1.9.9	1.9.9.4.6	2.1.4.11.3	2.5.0.6.0	2.8.8.0.9	3.0.3.7.6	3.3.11.2.3	3.7.6.9.0
1/2	0.3.7.7.6	0.7.3.3.0	0.10.10.10.6	1.2.6.6.0	1.6.2.1.6	1.9.9.9.0	2.1.5.4.6	2.5.1.0.0	2.8.8.7.6	3.0.4.3.0	3.3.11.10.6	3.7.7.6.0
3/4	0.3.7.8.3	0.7.3.4.6	0.10.11.0.9	1.2.6.9.0	1.6.2.5.3	1.9.10.1.6	2.1.5.9.9	2.5.1.6.0	2.8.9.2.3	3.0.4.10.6	3.4.0.6.9	3.7.8.3.0
14.7.0	0.3.7.9.0	0.7.3.6.0	0.10.11.3.0	1.2.7.0.0	1.6.2.9.0	1.9.10.6.0	2.1.6.3.0	2.5.2.0.0	2.8.9.9.0	3.0.5.6.0	3.4.1.3.0	3.7.9.0.0
1/4	0.3.7.9.9	0.7.3.7.6	0.10.11.5.3	1.2.7.3.0	1.6.3.0.9	1.9.10.10.6	2.1.6.8.3	2.5.2.6.0	2.8.10.3.9	3.0.6.1.6	3.4.1.11.3	3.7.9.9.0
1/2	0.3.7.10.6	0.7.3.9.0	0.10.11.7.6	1.2.7.6.0	1.6.3.4.6	1.9.11.3.0	2.1.7.1.6	2.5.3.0.0	2.8.10.10.6	3.0.6.9.0	3.4.2.7.6	3.7.10.6.0
3/4	0.3.7.11.3	0.7.3.10.6	0.10.11.9.9	1.2.7.9.0	1.6.3.8.3	1.9.11.7.6	2.1.7.6.9	2.5.3.6.0	2.8.11.5.3	3.0.7.4.6	3.4.3.3.9	3.7.11.3.0
14.8.0	0.3.8.0.0	0.7.4.0.0	0.11.0.0.0	1.2.8.0.0	1.6.4.0.0	1.10.0.0.0	2.1.8.0.0	2.5.4.0.0	2.9.0.0.0	3.0.8.0.0	3.4.4.0.0	3.8.0.0.0
1/4	0.3.8.0.9	0.7.4.1.6	0.11.0.2.3	1.2.8.3.0	1.6.4.3.9	1.10.0.4.6	2.1.8.5.3	2.5.4.6.0	2.9.0.6.9	3.0.8.7.6	3.4.4.8.3	3.8.0.9.0
1/2	0.3.8.1.6	0.7.4.3.0	0.11.0.4.6	1.2.8.6.0	1.6.4.7.6	1.10.0.9.0	2.1.8.10.6	2.5.5.0.0	2.9.1.1.6	3.0.9.3.0	3.4.5.4.6	3.8.1.6.0
3/4	0.3.8.2.3	0.7.4.4.6	0.11.0.6.9	1.2.8.9.0	1.6.4.11.3	1.10.1.1.6	2.1.9.3.9	2.5.5.6.0	2.9.1.8.3	3.0.9.10.6	3.4.6.0.9	3.8.2.3.0
14.9.0	0.3.8.3.0	0.7.4.6.0	0.11.0.9.0	1.2.9.0.0	1.6.5.3.0	1.10.1.6.0	2.1.9.9.0	2.5.6.0.0	2.9.2.3.0	3.0.10.6.0	3.4.6.9.0	3.8.3.0.0
1/4	0.3.8.3.9	0.7.4.7.6	0.11.0.11.3	1.2.9.3.0	1.6.5.6.9	1.10.1.10.6	2.1.10.2.3	2.5.6.6.0	2.9.2.9.9	3.0.11.1.6	3.4.7.5.3	3.8.3.9.0
1/2	0.3.8.4.6	0.7.4.9.0	0.11.1.1.6	1.2.9.6.0	1.6.5.10.6	1.10.2.3.0	2.1.10.7.6	2.5.7.0.0	2.9.3.4.6	3.0.11.9.0	3.4.8.1.6	3.8.4.6.0
3/4	0.3.8.5.3	0.7.4.10.6	0.11.1.3.9	1.2.9.9.0	1.6.6.2.3	1.10.2.7.6	2.1.11.0.9	2.5.7.6.0	2.9.3.11.3	3.1.0.4.6	3.4.8.9.9	3.8.5.3.0
14.10.0	0.3.8.6.0	0.7.5.0.0	0.11.1.6.0	1.2.10.0.0	1.6.6.6.0	1.10.3.0.0	2.1.11.6.0	2.5.8.0.0	2.9.4.6.0	3.1.1.0.0	3.4.9.6.0	3.8.6.0.0
1/4	0.3.8.6.9	0.7.5.1.6	0.11.1.8.3	1.2.10.3.0	1.6.6.9.9	1.10.3.4.6	2.1.11.11.3	2.5.8.6.0	2.9.5.0.9	3.1.1.7.6	3.4.10.2.3	3.8.6.9.0
1/2	0.3.8.7.6	0.7.5.3.0	0.11.1.10.6	1.2.10.6.0	1.6.7.1.6	1.10.3.9.0	2.2.0.4.6	2.5.9.0.0	2.9.5.7.6	3.1.2.3.0	3.4.10.10.6	3.8.7.6.0
3/4	0.3.8.8.3	0.7.5.4.6	0.11.2.0.9	1.2.10.9.0	1.6.7.5.3	1.10.4.1.6	2.2.0.9.9	2.5.9.6.0	2.9.6.2.3	3.1.2.10.6	3.4.11.6.9	3.8.8.3.0
14.11.0	0.3.8.9.0	0.7.5.6.0	0.11.2.3.0	1.2.11.0.0	1.6.7.9.0	1.10.4.6.0	2.2.1.3.0	2.5.10.0.0	2.9.6.9.0	3.1.3.6.0	3.5.0.3.0	3.8.9.0.0
1/4	0.3.8.9.9	0.7.5.7.6	0.11.2.5.3	1.2.11.3.0	1.6.8.0.9	1.10.4.10.6	2.2.1.8.3	2.5.10.6.0	2.9.7.3.9	3.1.4.1.6	3.5.0.11.3	3.8.9.9.0
1/2	0.3.8.10.6	0.7.5.9.0	0.11.2.7.6	1.2.11.6.0	1.6.8.4.6	1.10.5.3.0	2.2.2.1.6	2.5.11.0.0	2.9.7.10.6	3.1.4.9.0	3.5.1.7.6	3.8.10.6.0
3/4	0.3.8.11.3	0.7.5.10.6	0.11.2.9.9	1.2.11.9.0	1.6.8.8.3	1.10.5.7.6	2.2.2.6.9	2.5.11.6.0	2.9.8.5.3	3.1.5.4.6	3.5.2.3.9	3.8.11.3.0

A TABLE OF FEET AND INCHES

from three Inches by three Inches and a Quarter to two Foot eight Inches and three Quarters by six Inches.

	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	0.3.¼	0.3.½	0.3.¾	0.4.0	0.4.¼	0.4.½	0.4.¾	0.5.0	0.5.¼	0.5.½	0.5.¾	0.6.0
0	[illegible]											
¼	0.0.10.6.9											
½	0.0.11.4.6	0.1.0.3.0										
¾	0.1.0.2.3	0.1.1.1.6	0.1.2.0.9									
0	0.1.1.0.0	0.1.2.0.0	0.1.3.0.0	0.1.4.0.0								
¼	0.1.1.9.9	0.1.2.10.6	0.1.3.11.3	0.1.5.0.0	0.1.6.0.9							
½	0.1.2.7.6	0.1.3.9.0	0.1.4.10.6	0.1.6.0.0	0.1.7.1.6	0.1.8.3.0						
¾	0.1.3.5.3	0.1.4.7.6	0.1.5.9.9	0.1.7.0.0	0.1.8.2.3	0.1.9.4.6	0.1.10.6.9					
0	0.1.4.3.0	0.1.5.6.0	0.1.6.9.0	0.1.8.0.0	0.1.9.3.0	0.1.10.6.0	0.1.11.9.0	0.2.1.0.0				
¼	0.1.5.0.9	0.1.6.4.6	0.1.7.8.3	0.1.9.0.0	0.1.10.3.9	0.1.11.7.6	0.2.0.11.3	0.2.2.3.0	0.2.3.6.9			
½	0.1.5.10.6	0.1.7.3.0	0.1.8.7.6	0.1.10.0.0	0.1.11.4.6	0.2.0.9.0	0.2.2.1.6	0.2.3.6.0	0.2.4.10.6	0.2.6.3.0		
¾	0.1.6.8.3	0.1.8.1.6	0.1.9.6.9	0.1.11.0.0	0.2.0.5.3	0.2.1.10.6	0.2.3.3.9	0.2.4.9.0	0.2.6.2.3	0.2.7.7.6	0.2.9.0.9	
0	0.1.7.6.0	0.1.9.0.0	0.1.10.6.0	0.2.0.0.0	0.2.1.6.0	0.2.3.0.0	0.2.4.6.0	0.2.6.0.0	0.2.7.6.0	0.2.9.0.0	0.2.10.6.0	0.3.0.0.0
¼	0.1.8.3.9	0.1.9.10.6	0.1.11.5.3	0.2.1.0.0	0.2.2.6.9	0.2.4.1.6	0.2.5.8.3	0.2.7.3.0	0.2.8.9.9	0.2.10.4.6	0.2.11.11.3	0.3.1.6.0
½	0.1.9.1.6	0.1.10.9.0	0.2.0.4.6	0.2.2.0.0	0.2.3.7.6	0.2.5.3.0	0.2.6.10.6	0.2.8.6.0	0.2.10.1.6	0.2.11.9.0	0.3.1.4.6	0.3.3.0.0
¾	0.1.9.11.3	0.1.11.7.6	0.2.1.3.9	0.2.3.0.0	0.2.4.8.3	0.2.6.4.6	0.2.8.0.9	0.2.9.9.0	0.2.11.5.3	0.3.1.1.6	0.3.2.9.9	0.3.4.6.0
0	0.1.10.9.0	0.2.0.6.0	0.2.2.3.0	0.2.4.0.0	0.2.5.9.0	0.2.7.6.0	0.2.9.3.0	0.2.11.0.0	0.3.0.9.0	0.3.2.6.0	0.3.4.3.0	0.3.6.0.0
¼	0.1.11.6.9	0.2.1.4.6	0.2.3.2.3	0.2.5.0.0	0.2.6.9.9	0.2.8.7.6	0.2.10.5.3	0.3.0.3.0	0.3.2.0.9	0.3.3.10.6	0.3.5.8.3	0.3.7.6.0
½	0.2.0.4.6	0.2.2.3.0	0.2.4.1.6	0.2.6.0.0	0.2.7.10.6	0.2.9.9.0	0.2.11.7.6	0.3.1.6.0	0.3.3.4.6	0.3.5.3.0	0.3.7.1.6	0.3.9.0.0
¾	0.2.1.2.3	0.2.3.1.6	0.2.5.0.9	0.2.7.0.0	0.2.8.11.3	0.2.10.10.6	0.3.0.9.9	0.3.2.9.0	0.3.4.8.3	0.3.6.7.6	0.3.8.6.9	0.3.10.6.0
0	0.2.2.0.0	0.2.4.0.0	0.2.6.0.0	0.2.8.0.0	0.2.10.0.0	0.3.0.0.0	0.3.2.0.0	0.3.4.0.0	0.3.6.0.0	0.3.8.0.0	0.3.10.0.0	0.4.0.0.0
¼	0.2.2.9.9	0.2.4.10.6	0.2.6.11.3	0.2.9.0.0	0.2.11.0.9	0.3.1.1.6	0.3.3.2.3	0.3.5.3.0	0.3.7.3.9	0.3.9.4.6	0.3.11.5.3	0.4.1.6.0
½	0.2.3.7.6	0.2.5.9.0	0.2.7.10.6	0.2.10.0.0	0.3.0.1.6	0.3.2.3.0	0.3.4.4.6	0.3.6.6.0	0.3.8.7.6	0.3.10.9.0	0.4.0.10.6	0.4.3.0.0
¾	0.2.4.5.3	0.2.6.7.6	0.2.8.9.9	0.2.11.0.0	0.3.1.2.3	0.3.3.4.6	0.3.5.6.9	0.3.7.9.0	0.3.9.11.3	0.4.0.1.6	0.4.2.3.9	0.4.4.6.0
0	0.2.5.3.0	0.2.7.6.0	0.2.9.9.0	0.3.0.0.0	0.3.2.3.0	0.3.4.6.0	0.3.6.9.0	0.3.9.0.0	0.3.11.3.0	0.4.1.6.0	0.4.3.9.0	0.4.6.0.0
¼	0.2.6.0.9	0.2.8.4.6	0.2.10.8.3	0.3.1.0.0	0.3.3.3.9	0.3.5.7.6	0.3.7.11.3	0.3.10.3.0	0.4.0.6.9	0.4.2.10.6	0.4.5.2.3	0.4.7.6.0
½	0.2.6.10.6	0.2.9.3.0	0.2.11.7.6	0.3.2.0.0	0.3.4.4.6	0.3.6.9.0	0.3.9.1.6	0.3.11.6.0	0.4.1.10.6	0.4.4.3.0	0.4.6.7.6	0.4.9.0.0
¾	0.2.7.8.3	0.2.10.1.6	0.3.0.6.9	0.3.3.0.0	0.3.5.5.3	0.3.7.10.6	0.3.10.3.9	0.4.0.9.0	0.4.3.2.3	0.4.5.7.6	0.4.8.0.9	0.4.10.6.0
0	0.2.8.6.0	0.2.11.0.0	0.3.1.6.0	0.3.4.0.0	0.3.6.6.0	0.3.9.0.0	0.3.11.6.0	0.4.2.0.0	0.4.4.6.0	0.4.7.0.0	0.4.9.6.0	0.5.0.0.0
¼	0.2.9.3.9	0.2.11.10.6	0.3.2.5.3	0.3.5.0.0	0.3.7.6.9	0.3.10.1.6	0.4.0.8.3	0.4.3.3.0	0.4.5.9.9	0.4.8.4.6	0.4.10.11.3	0.5.1.6.0
½	0.2.10.1.6	0.3.0.9.0	0.3.3.4.6	0.3.6.0.0	0.3.8.7.6	0.3.11.3.0	0.4.1.10.6	0.4.4.6.0	0.4.7.1.6	0.4.9.9.0	0.5.0.4.6	0.5.3.0.0
¾	0.2.10.11.3	0.3.1.7.6	0.3.4.3.9	0.3.7.0.0	0.3.9.8.3	0.4.0.4.6	0.4.3.0.9	0.4.5.9.0	0.4.8.5.3	0.4.11.1.6	0.5.1.9.9	0.5.4.6.0
0	0.2.11.9.0	0.3.2.6.0	0.3.5.3.0	0.3.8.0.0	0.3.10.9.0	0.4.1.6.0	0.4.4.3.0	0.4.7.0.0	0.4.9.9.0	0.5.0.6.0	0.5.3.3.0	0.5.6.0.0
¼	0.3.0.6.9	0.3.3.4.6	0.3.6.2.3	0.3.9.0.0	0.3.11.9.9	0.4.2.7.6	0.4.5.5.3	0.4.8.3.0	0.4.11.0.9	0.5.1.10.6	0.5.4.8.3	0.5.7.6.0
½	0.3.1.4.6	0.3.4.3.0	0.3.7.1.6	0.3.10.0.0	0.4.0.10.6	0.4.3.9.0	0.4.6.7.6	0.4.9.6.0	0.5.0.4.6	0.5.3.3.0	0.5.6.1.6	0.5.9.0.0
¾	0.3.2.2.3	0.3.5.1.6	0.3.8.0.9	0.3.11.0.0	0.4.1.11.3	0.4.4.10.6	0.4.7.9.9	0.4.10.9.0	0.5.1.8.3	0.5.4.7.6	0.5.7.6.9	0.5.10.6.0
0	0.3.3.0.0	0.3.6.0.0	0.3.9.0.0	0.4.0.0.0	0.4.3.0.0	0.4.6.0.0	0.4.9.0.0	0.5.0.0.0	0.5.3.0.0	0.5.6.0.0	0.5.9.0.0	0.6.0.0.0
¼	0.3.3.9.9	0.3.6.10.6	0.3.9.11.3	0.4.1.0.0	0.4.4.0.9	0.4.7.1.6	0.4.10.2.3	0.5.1.3.0	0.5.4.3.9	0.5.7.4.6	0.5.10.5.3	0.6.1.6.0
½	0.3.4.7.6	0.3.7.9.0	0.3.10.10.6	0.4.2.0.0	0.4.5.1.6	0.4.8.3.0	0.4.11.4.6	0.5.2.6.0	0.5.5.7.6	0.5.8.9.0	0.5.11.10.6	0.6.3.0.0
¾	0.3.5.5.3	0.3.8.7.6	0.3.11.9.9	0.4.3.0.0	0.4.6.2.3	0.4.9.4.6	0.5.0.6.9	0.5.3.9.0	0.5.6.11.3	0.5.10.1.6	0.6.1.3.9	0.6.4.6.0
0	0.3.6.3.0	0.3.9.6.0	0.4.0.9.0	0.4.4.0.0	0.4.7.3.0	0.4.10.6.0	0.5.1.9.0	0.5.5.0.0	0.5.8.3.0	0.5.11.6.0	0.6.2.9.0	0.6.6.0.0
¼	0.3.7.0.9	0.3.10.4.6	0.4.1.8.3	0.4.5.0.0	0.4.8.3.9	0.4.11.7.6	0.5.2.11.3	0.5.6.3.0	0.5.9.6.9	0.5.0.10.6	0.6.4.2.3	0.6.7.6.0
½	0.3.7.10.6	0.3.11.3.0	0.4.2.7.6	0.4.6.0.0	0.4.9.4.6	0.5.0.9.0	0.5.4.1.6	0.5.7.6.0	0.5.10.10.6	0.6.2.3.0	0.6.5.7.6	0.6.9.0.0
¾	0.3.8.8.3	0.4.0.1.6	0.4.3.6.9	0.4.7.0.0	0.4.10.5.3	0.5.1.10.6	0.5.5.3.9	0.5.8.9.0	0.6.0.2.3	0.6.3.7.6	0.6.7.0.9	0.6.10.6.0
0	0.3.9.6.0	0.4.1.0.0	0.4.4.6.0	0.4.8.0.0	0.4.11.6.0	0.5.3.0.0	0.5.6.6.0	0.5.10.0.0	0.6.1.6.0	0.6.5.0.0	0.6.8.6.0	0.7.0.0.0
¼	0.3.10.3.9	0.4.1.10.6	0.4.5.5.3	0.4.9.0.0	0.5.0.6.9	0.5.4.1.6	0.5.7.8.3	0.5.11.3.0	0.6.2.9.9	0.6.6.4.6	0.6.9.11.3	0.7.1.6.0
½	0.3.11.1.6	0.4.2.9.0	0.4.6.4.6	0.4.10.0.0	0.5.1.7.6	0.5.5.3.0	0.5.8.10.6	0.6.0.6.0	0.6.4.1.6	0.6.7.9.0	0.6.11.4.6	0.7.3.0.0
¾	0.3.11.11.3	0.4.3.7.6	0.4.7.3.9	0.4.11.0.0	0.5.2.8.3	0.5.6.4.6	0.5.10.0.9	0.6.1.9.0	0.6.5.5.3	0.6.9.1.6	0.7.0.9.9	0.7.4.6.0
0	0.4.0.9.0	0.4.4.6.0	0.4.8.3.0	0.5.0.0.0	0.5.3.9.0	0.5.7.6.0	0.5.11.3.0	0.6.3.0.0	0.6.6.9.0	0.6.10.6.0	0.7.2.3.0	0.7.6.0.0
¼	0.4.1.6.9	0.4.5.4.6	0.4.9.2.3	0.5.1.0.0	0.5.4.9.9	0.5.8.7.6	0.6.0.5.3	0.6.4.3.0	0.6.8.0.9	0.6.11.10.6	0.7.3.8.3	0.7.7.6.0
½	0.4.2.4.6	0.4.6.3.0	0.4.10.1.6	0.5.2.0.0	0.5.5.10.6	0.5.9.9.0	0.6.1.7.6	0.6.5.6.0	0.6.9.4.6	0.7.1.3.0	0.7.5.1.6	0.7.9.0.0
¾	0.4.3.2.3	0.4.7.1.6	0.4.11.0.9	0.5.3.0.0	0.5.6.11.3	0.5.10.10.6	0.6.2.9.9	0.6.6.9.0	0.6.10.8.3	0.7.2.7.6	0.7.6.6.9	0.7.10.6.0
0	0.4.4.0.0	0.4.8.0.0	0.5.0.0.0	0.5.4.0.0	0.5.8.0.0	0.6.0.0.0	0.6.4.0.0	0.6.8.0.0	0.7.0.0.0	0.7.4.0.0	0.7.8.0.0	0.8.0.0.0
¼	0.4.4.9.9	0.4.8.10.6	0.5.0.11.3	0.5.5.0.0	0.5.9.0.9	0.6.1.1.6	0.6.5.2.3	0.6.9.3.0	0.7.1.3.9	0.7.5.4.6	0.7.9.5.3	0.8.1.6.0
½	0.4.5.7.6	0.4.9.9.0	0.5.1.10.6	0.5.6.0.0	0.5.10.1.6	0.6.2.3.0	0.6.6.4.6	0.6.10.6.0	0.7.2.7.6	0.7.6.9.0	0.7.10.10.6	0.8.3.0.0
¾	0.4.6.5.3	0.4.10.7.6	0.5.2.9.9	0.5.7.0.0	0.5.11.2.3	0.6.3.4.6	0.6.7.6.9	0.6.11.9.0	0.7.3.11.3	0.7.8.1.6	0.8.0.3.9	0.8.4.6.0
0	0.4.7.3.0	0.4.11.6.0	0.5.3.9.0	0.5.8.0.0	0.6.0.3.0	0.6.4.6.0	0.6.8.9.0	0.7.1.0.0	0.7.5.3.0	0.7.9.6.0	0.8.1.9.0	0.8.6.0.0
¼	0.4.8.0.9	0.5.0.4.6	0.5.4.8.3	0.5.9.0.0	0.6.1.3.9	0.6.5.7.6	0.6.9.11.3	0.7.2.3.0	0.7.6.6.9	0.7.10.10.6	0.8.3.2.3	0.8.7.6.0
½	0.4.8.10.6	0.5.1.3.0	0.5.5.7.6	0.5.10.0.0	0.6.2.4.6	0.6.6.9.0	0.6.11.1.6	0.7.3.6.0	0.7.7.10.6	0.8.0.3.0	0.8.4.7.6	0.8.9.0.0
¾	0.4.9.8.3	0.5.2.1.6	0.5.6.6.9	0.5.11.0.0	0.6.3.5.3	0.6.7.10.6	0.7.0.3.9	0.7.4.9.0	0.7.9.2.3	0.8.1.7.6	0.8.6.0.9	0.8.10.6.0
0	0.4.10.6.0	0.5.3.0.0	0.5.7.6.0	0.6.0.0.0	0.6.4.6.0	0.6.9.0.0	0.7.1.6.0	0.7.6.0.0	0.7.10.6.0	0.8.3.0.0	0.8.7.6.0	0.9.0.0.0
¼	0.4.11.3.9	0.5.3.10.6	0.5.8.5.3	0.6.1.0.0	0.6.5.6.9	0.6.10.1.6	0.7.2.8.3	0.7.7.3.0	0.7.11.9.9	0.8.4.4.6	0.8.8.11.3	0.9.1.6.0
½	0.5.0.1.6	0.5.4.9.0	0.5.9.4.6	0.6.2.0.0	0.6.6.7.6	0.6.11.3.0	0.7.3.10.6	0.7.8.6.0	0.8.1.1.6	0.8.5.9.0	0.8.10.4.6	0.9.3.0.0
¾	0.5.0.11.3	0.5.5.7.6	0.5.10.3.9	0.6.3.0.0	0.6.7.8.3	0.7.0.4.6	0.7.5.0.9	0.7.9.9.0	0.8.2.5.3	0.8.7.1.6	0.8.11.9.9	0.9.4.6.0
0	0.5.1.9.0	0.5.6.6.0	0.5.11.3.0	0.6.4.0.0	0.6.8.9.0	0.7.1.6.0	0.7.6.3.0	0.7.11.0.0	0.8.3.9.0	0.8.8.6.0	0.9.1.3.0	0.9.6.0.0
¼	0.5.2.6.9	0.5.7.4.6	0.6.0.2.3	0.6.5.0.0	0.6.9.9.9	0.7.2.7.6	0.7.7.5.3	0.8.0.3.0	0.8.5.0.9	0.8.9.10.6	0.9.2.8.3	0.9.7.6.0
½	0.5.3.4.6	0.5.8.3.0	0.6.1.1.6	0.6.6.0.0	0.6.10.10.6	0.7.3.9.0	0.7.8.7.6	0.8.1.6.0	0.8.6.4.6	0.8.11.3.0	0.9.4.1.6	0.9.9.0.0
¾	0.5.4.2.3	0.5.9.1.6	0.6.2.0.9	0.6.7.0.0	0.6.11.11.3	0.7.4.10.6	0.7.9.9.9	0.8.2.9.0	0.8.7.8.3	0.9.0.7.6	0.9.5.6.9	0.9.10.6.0
0	0.5.5.0.0	0.5.10.0.0	0.6.3.0.0	0.6.8.0.0	0.7.1.0.0	0.7.6.0.0	0.7.11.0.0	0.8.4.0.0	0.8.9.0.0	0.9.2.0.0	0.9.7.0.0	0.10.0.0.0
¼	0.5.5.9.9	0.5.10.10.6	0.6.3.11.3	0.6.9.0.0	0.7.2.0.9	0.7.7.1.6	0.8.0.2.3	0.8.5.3.0	0.8.10.3.9	0.9.3.4.6	0.9.8.5.3	0.10.1.6.0
½	0.5.6.7.6	0.5.11.9.0	0.6.4.10.6	0.6.10.0.0	0.7.3.1.6	0.7.8.3.0	0.8.1.4.6	0.8.6.6.0	0.8.11.7.6	0.9.4.9.0	0.9.9.10.6	0.10.3.0.0
¾	0.5.7.5.3	0.6.0.7.6	0.6.5.9.9	0.6.11.0.0	0.7.4.2.3	0.7.9.4.6	0.8.2.6.9	0.8.7.9.0	0.9.0.11.3	0.9.6.1.6	0.9.11.3.9	0.10.4.6.0
0	0.5.8.3.0	0.6.1.6.0	0.6.6.9.0	0.7.0.0.0	0.7.5.3.0	0.7.10.6.0	0.8.3.9.0	0.8.9.0.0	0.9.2.3.0	0.9.7.6.0	0.10.0.9.0	0.10.6.0.0
¼	0.5.9.0.9	0.6.2.4.6	0.6.7.8.3	0.7.1.0.0	0.7.6.3.9	0.7.11.7.6	0.8.4.11.3	0.8.10.3.0	0.9.3.6.9	0.9.8.10.6	0.10.2.2.3	0.10.7.6.0
½	0.5.9.10.6	0.6.3.3.0	0.6.8.7.6	0.7.2.0.0	0.7.7.4.6	0.8.0.9.0	0.8.6.1.6	0.8.11.6.0	0.9.4.10.6	0.9.10.3.0	0.10.3.7.6	0.10.9.0.0
¾	0.5.10.8.3	0.6.4.1.6	0.6.9.6.9	0.7.3.0.0	0.7.8.5.3	0.8.1.10.6	0.8.7.3.9	0.9.0.9.0	0.9.6.2.3	0.9.11.7.6	0.10.5.0.9	0.10.10.6.0
0	0.5.11.6.0	0.6.5.0.0	0.6.10.6.0	0.7.4.0.0	0.7.9.6.0	0.8.3.0.0	0.8.8.6.0	0.9.2.0.0	0.9.7.6.0	0.10.1.0.0	0.10.6.6.0	0.11.0.0.0
¼	0.6.0.3.9	0.6.5.10.6	0.6.11.5.3	0.7.5.0.0	0.7.10.6.9	0.8.4.1.6	0.8.9.8.3	0.9.3.3.0	0.9.8.9.9	0.10.2.4.6	0.10.7.11.3	0.11.1.6.0
½	0.6.1.1.6	0.6.6.9.0	0.7.0.4.6	0.7.6.0.0	0.7.11.7.6	0.8.5.3.0	0.8.10.10.6	0.9.4.6.0	0.9.10.1.6	0.10.3.9.0	0.10.9.4.6	0.11.3.0.0
¾	0.6.1.11.3	0.6.7.7.6	0.7.1.3.9	0.7.7.0.0	0.8.0.8.3	0.8.6.4.6	0.9.0.0.9	0.9.5.9.0	0.9.11.5.3	0.10.5.1.6	0.10.10.9.9	0.11.4.6.0
0	0.6.2.9.0	0.6.8.6.0	0.7.2.3.0	0.7.8.0.0	0.8.1.9.0	0.8.7.6.0	0.9.1.3.0	0.9.7.0.0	0.10.0.9.0	0.10.6.6.0	0.11.0.3.0	0.11.6.0.0
¼	0.6.3.6.9	0.6.9.4.6	0.7.3.2.3	0.7.9.0.0	0.8.2.9.9	0.8.8.7.6	0.9.2.5.3	0.9.8.3.0	0.10.2.0.9	0.10.7.10.6	0.11.1.8.3	0.11.7.6.0
½	0.6.4.4.6	0.6.10.3.0	0.7.4.1.6	0.7.10.0.0	0.8.3.10.6	0.8.9.9.0	0.9.3.7.6	0.9.9.6.0	0.10.3.4.6	0.10.9.3.0	0.11.3.1.6	0.11.9.0.0
¾	0.6.5.2.3	0.6.11.1.6	0.7.5.0.9	0.7.11.0.0	0.8.4.11.3	0.8.10.10.6	0.9.4.9.9	0.9.10.9.0	0.10.4.8.3	0.10.10.7.6	0.11.4.6.9	0.11.10.6.0
0	0.6.6.0.0	0.7.0.0.0	0.7.6.0.0	0.8.0.0.0	0.8.6.0.0	0.9.0.0.0	0.9.6.0.0	0.10.0.0.0	0.10.6.0.0	0.11.0.0.0	0.11.6.0.0	1.0.0.0.0
¼	0.6.6.9.9	0.7.0.10.6	0.7.6.11.3	0.8.1.0.0	0.8.7.0.9	0.9.1.1.6	0.9.7.2.3	0.10.1.3.0	0.10.7.3.9	0.11.1.4.6	0.11.7.5.3	1.0.1.6.0
½	0.6.7.7.6	0.7.1.9.0	0.7.7.10.6	0.8.2.0.0	0.8.8.1.6	0.9.2.3.0	0.9.8.4.6	0.10.2.6.0	0.10.8.7.6	0.11.2.9.0	0.11.8.10.6	1.0.3.0.0
¾	0.6.8.5.3	0.7.2.7.6	0.7.8.9.9	0.8.3.0.0	0.8.9.2.3	0.9.3.4.6	0.9.9.6.9	0.10.3.9.0	0.10.9.11.3	0.11.4.1.6	0.11.10.3.9	1.0.4.6.0
0	0.6.9.3.0	0.7.3.6.0	0.7.9.9.0	0.8.4.0.0	0.8.10.3.0	0.9.4.6.0	0.9.10.9.0	0.10.5.0.0	0.10.11.3.0	0.11.5.6.0	0.11.11.9.0	1.0.6.0.0
¼	0.6.10.0.9	0.7.4.4.6	0.7.10.8.3	0.8.5.0.0	0.8.11.3.9	0.9.5.7.6	0.9.11.11.3	0.10.6.3.0	0.11.0.6.9	0.11.6.10.6	1.0.1.2.3	1.0.7.6.0
½	0.6.10.10.6	0.7.5.3.0	0.7.11.7.6	0.8.6.0.0	0.9.0.4.6	0.9.6.9.0	0.10.1.1.6	0.10.7.6.0	0.11.1.10.6	0.11.8.3.0	1.0.2.7.6	1.0.9.0.0
¾	0.6.11.8.3	0.7.6.1.6	0.8.0.6.9	0.8.7.0.0	0.9.1.5.3	0.9.7.10.6	0.10.2.3.9	0.10.8.9.0	0.11.3.2.3	0.11.9.7.6	1.0.4.0.9	1.0.10.6.0
0	0.7.0.6.0	0.7.7.0.0	0.8.1.6.0	0.8.8.0.0	0.9.2.6.0	0.9.9.0.0	0.10.3.6.0	0.10.10.0.0	0.11.4.6.0	0.11.11.0.0	1.0.5.6.0	1.1.0.0.0
¼	0.7.1.3.9	0.7.7.10.6	0.8.2.5.3	0.8.9.0.0	0.9.3.6.9	0.9.10.1.6	0.10.4.8.3	0.10.11.3.0	0.11.5.9.9	1.0.0.4.6	1.0.6.11.3	1.1.1.6.0
½	0.7.2.1.6	0.7.8.9.0	0.8.3.4.6	0.8.10.0.0	0.9.4.7.6	0.9.11.3.0	0.10.5.10.6	0.11.0.6.0	0.11.7.1.6	1.0.1.9.0	1.0.8.4.6	1.1.3.0.0
¾	0.7.2.11.3	0.7.9.7.6	0.8.4.3.9	0.8.11.0.0	0.9.5.8.3	0.10.0.4.6	0.10.7.0.9	0.11.1.9.0	0.11.8.5.3	1.0.3.1.6	1.0.9.9.9	1.1.4.6.0
0	0.7.3.9.0	0.7.10.6.0	0.8.5.3.0	0.9.0.0.0	0.9.6.9.0	0.10.1.6.0	0.10.8.3.0	0.11.3.0.0	0.11.9.9.0	1.0.4.6.0	1.0.11.3.0	1.1.6.0.0
¼	0.7.4.6.9	0.7.11.4.6	0.8.6.2.3	0.9.1.0.0	0.9.7.9.9	0.10.2.7.6	0.10.9.5.3	0.11.4.3.0	0.11.11.0.9	1.0.5.10.6	1.1.0.8.3	1.1.7.6.0
½	0.7.5.4.6	0.8.0.3.0	0.8.7.1.6	0.9.2.0.0	0.9.8.10.6	0.10.3.9.0	0.10.10.7.6	0.11.5.6.0	1.0.0.4.6	1.0.7.3.0	1.1.2.1.6	1.1.9.0.0
¾	0.7.6.2.3	0.8.1.1.6	0.8.8.0.9	0.9.3.0.0	0.9.9.11.3	0.10.4.10.6	0.10.11.9.9	0.11.6.9.0	1.0.1.8.3	1.0.8.7.6	1.1.3.6.9	1.1.10.6.0
0	0.7.7.0.0	0.8.2.0.0	0.8.9.0.0	0.9.4.0.0	0.9.11.0.0	0.10.6.0.0	0.11.1.0.0	0.11.8.0.0	1.0.3.0.0	1.0.10.0.0	1.1.5.0.0	1.2.0.0.0
¼	0.7.7.9.9	0.8.2.10.6	0.8.9.11.3	0.9.5.0.0	0.10.0.0.9	0.10.7.1.6	0.11.2.2.3	0.11.9.3.0	1.0.4.3.9	1.0.11.4.6	1.1.6.5.3	1.2.1.6.0
½	0.7.8.7.6	0.8.3.9.0	0.8.10.10.6	0.9.6.0.0	0.10.1.1.6	0.10.8.3.0	0.11.3.4.6	0.11.10.6.0	1.0.5.7.6	1.1.0.9.0	1.1.7.10.6	1.2.3.0.0
¾	0.7.9.5.3	0.8.4.7.6	0.8.11.9.9	0.9.7.0.0	0.10.2.2.3	0.10.9.4.6	0.11.4.6.9	0.11.11.9.0	1.0.6.11.3	1.1.2.1.6	1.1.9.3.9	1.2.4.6.0
0	0.7.10.3.0	0.8.5.6.0	0.9.0.9.0	0.9.8.0.0	0.10.3.3.0	0.10.10.6.0	0.11.5.9.0	1.0.1.0.0	1.0.8.3.0	1.1.3.6.0	1.1.10.9.0	1.2.6.0.0
¼	0.7.11.0.9	0.8.6.4.6	0.9.1.8.3	0.9.9.0.0	0.10.4.3.9	0.10.11.7.6	0.11.6.11.3	1.0.2.3.0	1.0.9.6.9	1.1.4.10.6	1.2.0.2.3	1.2.7.6.0
½	0.7.11.10.6	0.8.7.3.0	0.9.2.7.6	0.9.10.0.0	0.10.5.4.6	0.11.0.9.0	0.11.8.1.6	1.0.3.6.0	1.0.10.10.6	1.1.6.3.0	1.2.1.7.6	1.2.9.0.0
¾	0.8.0.8.3	0.8.8.1.6	0.9.3.6.9	0.9.11.0.0	0.10.6.5.3	0.11.1.10.6	0.11.9.3.9	1.0.4.9.0	1.1.0.2.3	1.1.7.7.6	1.2.3.0.9	1.2.10.6.0
0	0.8.1.6.0	0.8.9.0.0	0.9.4.6.0	0.10.0.0.0	0.10.7.6.0	0.11.3.0.0	0.11.10.6.0	1.0.6.0.0	1.1.1.6.0	1.1.9.0.0	1.2.4.6.0	1.3.0.0.0
¼	0.8.2.3.9	0.8.9.10.6	0.9.5.5.3	0.10.1.0.0	0.10.8.6.9	0.11.4.1.6	0.11.11.8.3	1.0.7.3.0	1.1.2.9.9	1.1.10.4.6	1.2.5.11.3	1.3.1.6.0
½	0.8.3.1.6	0.8.10.9.0	0.9.6.4.6	0.10.2.0.0	0.10.9.7.6	0.11.5.3.0	1.0.0.10.6	1.0.8.6.0	1.1.4.1.6	1.1.11.9.0	1.2.7.4.6	1.3.3.0.0
¾	0.8.3.11.3	0.8.11.7.6	0.9.7.3.9	0.10.3.0.0	0.10.10.8.3	0.11.6.4.6	1.0.2.0.9	1.0.9.9.0	1.1.5.5.3	1.2.1.1.6	1.2.8.9.9	1.3.4.6.0
0	0.8.4.9.0	0.9.0.6.0	0.9.8.3.0	0.10.4.0.0	0.10.11.9.0	0.11.7.6.0	1.0.3.3.0	1.0.11.0.0	1.1.6.9.0	1.2.2.6.0	1.2.10.3.0	1.3.6.0.0
¼	0.8.5.6.9	0.9.1.4.6	0.9.9.2.3	0.10.5.0.0	0.11.0.9.9	0.11.8.7.6	1.0.4.5.3	1.1.0.3.0	1.1.8.0.9	1.2.3.10.6	1.2.11.8.3	1.3.7.6.0
½	0.8.6.4.6	0.9.2.3.0	0.9.10.1.6	0.10.6.0.0	0.11.1.10.6	0.11.9.9.0	1.0.5.7.6	1.1.1.6.0	1.1.9.4.6	1.2.5.3.0	1.3.1.1.6	1.3.9.0.0
¾	0.8.7.2.3	0.9.3.1.6	0.9.11.0.9	0.10.7.0.0	0.11.2.11.3	0.11.10.10.6	1.0.6.9.9	1.1.2.9.0	1.1.10.8.3	1.2.6.7.6	1.3.2.6.9	1.3.10.6.0
0	0.8.8.0.0	0.9.4.0.0	0.10.0.0.0	0.10.8.0.0	0.11.4.0.0	1.0.0.0.0	1.0.8.0.0	1.1.4.0.0	1.2.0.0.0	1.2.8.0.0	1.3.4.0.0	1.4.0.0.0
¼	0.8.8.9.9	0.9.4.10.6	0.10.0.11.3	0.10.9.0.0	0.11.5.0.9	1.0.1.1.6	1.0.9.2.3	1.1.5.3.0	1.2.1.3.9	1.2.9.4.6	1.3.5.5.3	1.4.1.6.0
½	0.8.9.7.6	0.9.5.9.0	0.10.1.10.6	0.10.10.0.0	0.11.6.1.6	1.0.2.3.0	1.0.10.4.6	1.1.6.6.0	1.2.2.7.6	1.2.10.9.0	1.3.6.10.6	1.4.3.0.0
¾	0.8.10.5.3	0.9.6.7.6	0.10.2.9.9	0.10.11.0.0	0.11.7.2.3	1.0.3.4.6	1.0.11.6.9	1.1.7.9.0	1.2.3.11.3	1.3.0.1.6	1.3.8.3.9	1.4.4.6.0

A TABLE OF FEET AND INCHES

from two Foot nine Inches by three Inches and a Quarter to five Foot two Inches and 3 Quarter by six Inches

F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	0.3.¼	0.3.½	0.3.¾	0.4.0	0.4.¼	0.4.½	0.4.¾	0.5.0	0.5.¼	0.5.½	0.5.¾
2.9.0	0.8.11.3.0	0.9.7.6.0	0.10.3.9.0	0.11.0.0.0	0.11.8.3.0	1.0.4.6.0	1.1.0.9.0	1.1.9.0.0	1.2.5.3.0	1.3.1.6.0	1.3.9.9.0
¼	0.9.0.0.9	0.9.8.4.6	0.10.4.8.3	0.11.1.0.0	0.11.9.3.9	1.0.5.7.6	1.1.1.11.3	1.1.10.3.0	1.2.6.6.9	1.3.2.10.6	1.3.11.2.3
½	0.9.0.10.6	0.9.9.3.0	0.10.5.7.0	0.11.2.0.0	0.11.10.4.6	1.0.6.9.0	1.1.3.1.6	1.1.11.6.0	1.2.7.10.6	1.3.4.3.0	1.4.0.7.6
¾	0.9.1.8.3	0.9.10.1.6	0.10.6.6.9	0.11.3.0.0	0.11.11.5.3	1.0.7.10.6	1.1.4.3.9	1.2.0.9.0	1.2.9.2.3	1.3.5.7.6	1.4.2.0.9
2.10.0	0.9.2.6.0	0.9.11.0.0	0.10.7.6.0	0.11.4.0.0	1.0.0.6.0	1.0.9.0.0	1.1.5.6.0	1.2.2.0.0	1.2.10.6.0	1.3.7.0.0	1.4.3.6.0
¼	0.9.3.3.9	0.9.11.10.6	0.10.8.5.3	0.11.5.0.0	1.0.1.6.9	1.0.10.1.6	1.1.6.8.3	1.2.3.3.0	1.2.11.9.9	1.3.8.4.6	1.4.4.11.3
½	0.9.4.1.6	0.10.0.9.0	0.10.9.4.6	0.11.6.0.0	1.0.2.7.6	1.0.11.3.0	1.1.7.10.6	1.2.4.6.0	1.3.1.1.6	1.3.9.9.0	1.4.6.4.6
¾	0.9.4.11.3	0.10.1.7.6	0.10.10.3.9	0.11.7.0.0	1.0.3.8.3	1.1.0.4.6	1.1.9.0.9	1.2.5.9.0	1.3.2.5.3	1.3.11.1.6	1.4.7.9.9
2.11.0	0.9.5.9.0	0.10.2.0.0	0.10.11.3.0	0.11.8.0.0	1.0.4.9.0	1.1.1.6.0	1.1.10.3.0	1.2.7.0.0	1.3.3.9.0	1.4.0.6.0	1.4.9.3.0
¼	0.9.6.6.9	0.10.3.4.6	0.11.0.2.3	0.11.9.0.0	1.0.5.9.9	1.1.2.7.6	1.1.11.5.3	1.2.8.3.0	1.3.5.0.9	1.4.1.10.6	1.4.10.8.3
½	0.9.7.4.6	0.10.4.3.0	0.11.1.1.0	0.11.10.0.0	1.0.6.10.6	1.1.3.9.0	1.2.0.7.6	1.2.9.6.0	1.3.6.4.6	1.4.3.3.0	1.5.0.1.6
¾	0.9.8.2.3	0.10.5.1.6	0.11.2.0.9	0.11.11.0.0	1.0.7.11.3	1.1.4.10.6	1.2.1.9.9	1.2.10.9.0	1.3.7.8.3	1.4.4.7.6	1.5.1.6.9
3.0.0	0.9.9.0.0	0.10.6.0.0	0.11.3.0.0	1.0.0.0.0	1.0.9.0.0	1.1.6.0.0	1.2.3.0.0	1.3.0.0.0	1.3.9.0.0	1.4.6.0.0	1.5.3.0.0
¼	0.9.9.9.9	0.10.6.10.6	0.11.3.11.3	1.0.1.0.0	1.0.10.0.9	1.1.7.1.6	1.2.4.2.3	1.3.1.3.0	1.3.10.3.9	1.4.7.4.6	1.5.4.5.3
½	0.9.10.7.6	0.10.7.9.0	0.11.4.10.6	1.0.2.0.0	1.0.11.1.6	1.1.8.3.0	1.2.5.4.6	1.3.2.6.0	1.3.11.7.6	1.4.8.9.0	1.5.5.10.6
¾	0.9.11.5.3	0.10.8.7.6	0.11.5.9.9	1.0.3.0.0	1.1.0.2.3	1.1.9.4.6	1.2.6.6.9	1.3.3.9.0	1.4.0.11.3	1.4.10.1.6	1.5.7.3.9
3.1.0	0.10.0.3.0	0.10.9.6.0	0.11.6.9.0	1.0.4.0.0	1.1.1.3.0	1.1.10.6.0	1.2.7.9.0	1.3.5.0.0	1.4.2.3.0	1.4.11.6.0	1.5.8.9.0
¼	0.10.1.0.9	0.10.10.4.6	0.11.7.8.3	1.0.5.0.0	1.1.2.3.9	1.1.11.7.6	1.2.8.11.3	1.3.6.3.0	1.4.3.6.9	1.5.0.10.6	1.5.10.2.3
½	0.10.1.10.6	0.10.11.3.0	0.11.8.7.6	1.0.6.0.0	1.1.3.4.6	1.2.0.9.0	1.2.10.1.6	1.3.7.6.0	1.4.4.10.6	1.5.2.3.0	1.5.11.7.6
¾	0.10.2.8.3	0.11.0.1.6	0.11.9.6.9	1.0.7.0.0	1.1.4.5.3	1.2.1.10.6	1.2.11.3.9	1.3.8.9.0	1.4.6.2.3	1.5.3.7.6	1.6.1.0.9
3.2.0	0.10.3.6.0	0.11.1.0.0	0.11.10.6.0	1.0.8.0.0	1.1.5.6.0	1.2.3.0.0	1.3.0.6.0	1.3.10.0.0	1.4.7.6.0	1.5.5.0.0	1.6.2.6.0
¼	0.10.4.3.9	0.11.1.10.6	0.11.11.5.3	1.0.9.0.0	1.1.6.6.9	1.2.4.1.6	1.3.1.8.3	1.3.11.3.0	1.4.8.9.9	1.5.6.4.6	1.6.3.11.3
½	0.10.5.1.6	0.11.2.9.0	1.0.0.4.6	1.0.10.0.0	1.1.7.7.6	1.2.5.3.0	1.3.2.10.6	1.4.0.6.0	1.4.10.1.6	1.5.7.9.0	1.6.5.4.6
¾	0.10.5.11.3	0.11.3.7.6	1.0.1.3.9	1.0.11.0.0	1.1.8.8.3	1.2.6.4.6	1.3.4.0.9	1.4.1.9.0	1.4.11.5.3	1.5.9.1.6	1.6.6.9.9
3.3.0	0.10.6.9.0	0.11.4.6.0	1.0.2.3.0	1.1.0.0.0	1.1.9.9.0	1.2.7.6.0	1.3.5.3.0	1.4.3.0.0	1.5.0.9.0	1.5.10.6.0	1.6.8.3.0
¼	0.10.7.6.9	0.11.5.4.6	1.0.3.2.3	1.1.1.0.0	1.1.10.9.9	1.2.8.7.6	1.3.6.5.3	1.4.4.3.0	1.5.2.0.9	1.5.11.10.6	1.6.9.8.3
½	0.10.8.4.6	0.11.6.3.0	1.0.4.0.6	1.1.2.0.0	1.1.11.10.6	1.2.9.9.0	1.3.7.7.6	1.4.5.6.0	1.5.3.4.6	1.6.1.3.0	1.6.11.1.6
¾	0.10.9.2.3	0.11.7.1.6	1.0.5.1.9	1.1.3.0.0	1.2.0.11.3	1.2.10.10.6	1.3.8.9.9	1.4.6.9.0	1.5.4.8.3	1.6.2.7.6	1.7.0.6.9
3.4.0	0.10.10.0.0	0.11.8.0.0	1.0.6.0.0	1.1.4.0.0	1.2.2.0.0	1.3.0.0.0	1.3.10.0.0	1.4.8.0.0	1.5.6.0.0	1.6.4.0.0	1.7.2.0.0
¼	0.10.10.9.9	0.11.8.10.6	1.0.6.11.3	1.1.5.0.0	1.2.3.0.9	1.3.1.1.6	1.3.11.2.3	1.4.9.3.0	1.5.7.3.9	1.6.5.4.6	1.7.3.5.3
½	0.10.11.7.6	0.11.9.9.0	1.0.7.10.6	1.1.6.0.0	1.2.4.1.6	1.3.2.3.0	1.4.0.4.6	1.4.10.6.0	1.5.8.7.6	1.6.6.9.0	1.7.4.10.6
¾	0.11.0.5.3	0.11.10.7.6	1.0.8.9.9	1.1.7.0.0	1.2.5.2.3	1.3.3.4.6	1.4.1.6.9	1.4.11.9.0	1.5.9.11.3	1.6.8.1.6	1.7.6.3.9
3.5.0	0.11.1.3.0	0.11.11.6.0	1.0.9.9.0	1.1.8.0.0	1.2.6.3.0	1.3.4.6.0	1.4.2.9.0	1.5.1.0.0	1.5.11.3.0	1.6.9.6.0	1.7.7.9.0
¼	0.11.2.0.9	1.0.0.4.6	1.0.10.8.3	1.1.9.0.0	1.2.7.3.9	1.3.5.7.6	1.4.3.11.3	1.5.2.3.0	1.6.0.6.9	1.6.10.10.6	1.7.9.2.3
½	0.11.2.10.6	1.0.1.3.0	1.0.11.7.6	1.1.10.0.0	1.2.8.4.6	1.3.6.9.0	1.4.5.1.6	1.5.3.6.0	1.6.1.10.6	1.7.0.3.0	1.7.10.7.6
¾	0.11.3.8.3	1.0.2.1.6	1.1.0.6.9	1.1.11.0.0	1.2.9.5.3	1.3.7.10.6	1.4.6.3.9	1.5.4.9.0	1.6.3.2.3	1.7.1.7.6	1.8.0.0.9
3.6.0	0.11.4.6.0	1.0.3.0.0	1.1.1.6.0	1.2.0.0.0	1.2.10.6.0	1.3.9.0.0	1.4.7.6.0	1.5.6.0.0	1.6.4.6.0	1.7.3.0.0	1.8.1.6.0
¼	0.11.5.3.9	1.0.3.10.6	1.1.2.5.3	1.2.1.0.0	1.2.11.6.9	1.3.10.1.6	1.4.8.8.3	1.5.7.3.0	1.6.5.9.9	1.7.4.4.6	1.8.2.11.3
½	0.11.6.1.6	1.0.4.9.0	1.1.3.4.6	1.2.2.0.0	1.3.0.7.6	1.3.11.3.0	1.4.9.10.6	1.5.8.6.0	1.6.7.1.6	1.7.5.9.0	1.8.4.4.6
¾	0.11.6.11.3	1.0.5.7.6	1.1.4.3.9	1.2.3.0.0	1.3.1.8.3	1.4.0.4.6	1.4.11.0.0	1.5.9.9.0	1.6.8.5.3	1.7.7.1.6	1.8.5.9.9
3.7.0	0.11.7.9.0	1.0.6.6.0	1.1.5.3.0	1.2.4.0.0	1.3.2.9.0	1.4.1.6.0	1.5.0.3.0	1.5.11.0.0	1.6.9.9.0	1.7.8.6.0	1.8.7.3.0
¼	0.11.8.6.9	1.0.7.4.6	1.1.6.2.3	1.2.5.0.0	1.3.3.9.9	1.4.2.7.6	1.5.1.5.3	1.6.0.3.0	1.6.11.0.9	1.7.9.10.6	1.8.8.8.3
½	0.11.9.4.6	1.0.8.3.0	1.1.7.1.6	1.2.6.0.0	1.3.4.10.6	1.4.3.9.0	1.5.2.7.6	1.6.1.6.0	1.7.0.4.6	1.7.11.3.0	1.8.10.1.6
¾	0.11.10.2.3	1.0.9.1.6	1.1.8.0.9	1.2.7.0.0	1.3.5.11.3	1.4.4.10.6	1.5.3.9.9	1.6.2.9.0	1.7.1.8.3	1.8.0.7.6	1.8.11.6.9
3.8.0	0.11.11.0.0	1.0.10.0.0	1.1.9.0.0	1.2.8.0.0	1.3.7.0.0	1.4.6.0.0	1.5.5.0.0	1.6.4.0.0	1.7.3.0.0	1.8.2.0.0	1.9.1.0.0
¼	0.11.11.9.9	1.0.10.10.6	1.1.9.11.3	1.2.9.0.0	1.3.8.0.9	1.4.7.1.6	1.5.6.2.3	1.6.5.3.0	1.7.4.3.9	1.8.3.4.6	1.9.2.5.3
½	1.0.0.7.6	1.0.11.9.0	1.1.10.10.6	1.2.10.0.0	1.3.9.1.6	1.4.8.3.0	1.5.7.4.6	1.6.6.6.0	1.7.5.7.6	1.8.4.9.0	1.9.3.10.6
¾	1.0.1.5.3	1.1.0.7.6	1.1.11.9.9	1.2.11.0.0	1.3.10.2.3	1.4.9.4.6	1.5.8.6.9	1.6.7.9.0	1.7.6.11.3	1.8.6.1.6	1.9.5.3.9
3.9.0	1.0.2.3.0	1.1.1.6.0	1.2.0.9.0	1.3.0.0.0	1.3.11.3.0	1.4.10.6.0	1.5.9.9.0	1.6.9.0.0	1.7.8.3.0	1.8.7.6.0	1.9.6.9.0
¼	1.0.3.0.9	1.1.2.4.6	1.2.1.8.3	1.3.1.0.0	1.4.0.3.9	1.4.11.7.6	1.5.10.11.3	1.6.10.3.0	1.7.9.6.9	1.8.8.10.6	1.9.8.2.3
½	1.0.3.10.6	1.1.3.3.0	1.2.2.7.6	1.3.2.0.0	1.4.1.4.6	1.5.0.9.0	1.6.0.1.6	1.6.11.6.0	1.7.10.10.6	1.8.10.3.0	1.9.9.7.6
¾	1.0.4.8.3	1.1.4.1.6	1.2.3.6.9	1.3.3.0.0	1.4.2.5.3	1.5.1.10.6	1.6.1.3.9	1.7.0.9.0	1.8.0.2.3	1.8.11.7.6	1.9.11.0.9
3.10.0	1.0.5.6.0	1.1.5.0.0	1.2.4.6.0	1.3.4.0.0	1.4.3.6.0	1.5.3.0.0	1.6.2.6.0	1.7.2.0.0	1.8.1.6.0	1.9.1.0.0	1.10.0.6.0
¼	1.0.6.3.9	1.1.5.10.6	1.2.5.5.3	1.3.5.0.0	1.4.4.6.9	1.5.4.1.6	1.6.3.8.3	1.7.3.3.0	1.8.2.9.9	1.9.2.4.6	1.10.1.11.3
½	1.0.7.1.6	1.1.6.9.0	1.2.6.4.6	1.3.6.0.0	1.4.5.7.6	1.5.5.3.0	1.6.4.10.6	1.7.4.6.0	1.8.4.1.6	1.9.3.9.0	1.10.3.4.6
¾	1.0.7.11.3	1.1.7.7.6	1.2.7.3.9	1.3.7.0.0	1.4.6.8.3	1.5.6.4.6	1.6.6.0.9	1.7.5.9.0	1.8.5.5.3	1.9.5.1.6	1.10.4.9.9
3.11.0	1.0.8.9.0	1.1.8.6.0	1.2.8.3.0	1.3.8.0.0	1.4.7.9.0	1.5.7.6.0	1.6.7.3.0	1.7.7.0.0	1.8.6.9.0	1.9.6.6.0	1.10.6.3.0
¼	1.0.9.6.9	1.1.9.4.6	1.2.9.2.3	1.3.9.0.0	1.4.8.9.9	1.5.8.7.6	1.6.8.5.3	1.7.8.3.0	1.8.8.0.9	1.9.7.10.6	1.10.7.8.3
½	1.0.10.4.6	1.1.10.3.0	1.2.10.1.6	1.3.10.0.0	1.4.9.10.6	1.5.9.9.0	1.6.9.7.6	1.7.9.6.0	1.8.9.4.6	1.9.9.3.0	1.10.9.1.6
¾	1.0.11.2.3	1.1.11.1.6	1.2.11.0.9	1.3.11.0.0	1.4.10.11.3	1.5.10.10.6	1.6.10.9.9	1.7.10.9.0	1.8.10.8.3	1.9.10.7.6	1.10.10.6.9
4.0.0	1.1.0.0.0	1.2.0.0.0	1.3.0.0.0	1.4.0.0.0	1.5.0.0.0	1.6.0.0.0	1.7.0.0.0	1.8.0.0.0	1.9.0.0.0	1.10.0.0.0	1.11.0.0.0
¼	1.1.0.9.9	1.2.0.10.6	1.3.0.11.3	1.4.1.0.0	1.5.1.0.9	1.6.1.1.6	1.7.1.2.3	1.8.1.3.0	1.9.1.3.9	1.10.1.4.6	1.11.1.5.3
½	1.1.1.7.6	1.2.1.9.0	1.3.1.10.6	1.4.2.0.0	1.5.2.1.6	1.6.2.3.0	1.7.2.4.6	1.8.2.6.0	1.9.2.7.6	1.10.2.9.0	1.11.2.10.6
¾	1.1.2.5.3	1.2.2.7.6	1.3.2.9.9	1.4.3.0.0	1.5.3.2.3	1.6.3.4.6	1.7.3.6.9	1.8.3.9.0	1.9.3.11.3	1.10.4.1.6	1.11.4.3.9
4.1.0	1.1.3.3.0	1.2.3.6.0	1.3.3.9.0	1.4.4.0.0	1.5.4.3.0	1.6.4.6.0	1.7.4.9.0	1.8.5.0.0	1.9.5.3.0	1.10.5.6.0	1.11.5.9.0
¼	1.1.4.0.9	1.2.4.4.6	1.3.4.8.3	1.4.5.0.0	1.5.5.3.9	1.6.5.7.6	1.7.5.11.3	1.8.6.3.0	1.9.6.6.9	1.10.6.10.6	1.11.7.2.3
½	1.1.4.10.6	1.2.5.3.0	1.3.5.7.6	1.4.6.0.0	1.5.6.4.6	1.6.6.9.0	1.7.7.1.6	1.8.7.6.0	1.9.7.10.6	1.10.8.3.0	1.11.8.7.6
¾	1.1.5.8.3	1.2.6.1.6	1.3.6.6.9	1.4.7.0.0	1.5.7.5.3	1.6.7.10.6	1.7.8.3.9	1.8.8.9.0	1.9.9.2.3	1.10.9.7.6	1.11.10.0.9
4.2.0	1.1.6.6.0	1.2.7.0.0	1.3.7.6.0	1.4.8.0.0	1.5.8.6.0	1.6.9.0.0	1.7.9.6.0	1.8.10.0.0	1.9.10.6.0	1.10.11.0.0	1.11.11.6.0
¼	1.1.7.3.9	1.2.7.10.6	1.3.8.5.3	1.4.9.0.0	1.5.9.6.9	1.6.10.1.6	1.7.10.8.3	1.8.11.3.0	1.9.11.9.9	1.11.0.4.6	2.0.0.11.3
½	1.1.8.1.6	1.2.8.9.0	1.3.9.4.6	1.4.10.0.0	1.5.10.7.6	1.6.11.3.0	1.7.11.10.6	1.9.0.6.0	1.10.1.1.6	1.11.1.9.0	2.0.2.4.6
¾	1.1.8.11.3	1.2.9.7.6	1.3.10.3.9	1.4.11.0.0	1.5.11.8.3	1.7.0.4.6	1.8.1.0.9	1.9.1.9.0	1.10.2.5.3	1.11.3.1.6	2.0.3.9.9
4.3.0	1.1.9.9.0	1.2.10.6.0	1.3.11.3.0	1.5.0.0.0	1.6.0.9.0	1.7.1.6.0	1.8.2.3.0	1.9.3.0.0	1.10.3.9.0	1.11.4.6.0	2.0.5.3.0
¼	1.1.10.6.9	1.2.11.4.6	1.4.0.2.3	1.5.1.0.0	1.6.1.9.9	1.7.2.7.6	1.8.3.5.3	1.9.4.3.0	1.10.5.0.9	1.11.5.10.6	2.0.6.8.3
½	1.1.11.4.6	1.3.0.3.0	1.4.1.1.6	1.5.2.0.0	1.6.2.10.6	1.7.3.9.0	1.8.4.7.6	1.9.5.6.0	1.10.6.4.6	1.11.7.3.0	2.0.8.1.6
¾	1.2.0.2.3	1.3.1.1.6	1.4.2.0.9	1.5.3.0.0	1.6.3.11.3	1.7.4.10.6	1.8.5.9.9	1.9.6.9.0	1.10.7.8.3	1.11.8.7.6	2.0.9.6.9
4.4.0	1.2.1.0.0	1.3.2.0.0	1.4.3.0.0	1.5.4.0.0	1.6.5.0.0	1.7.6.0.0	1.8.7.0.0	1.9.8.0.0	1.10.9.0.0	1.11.10.0.0	2.0.11.0.0
¼	1.2.1.9.9	1.3.2.10.6	1.4.3.11.3	1.5.5.0.0	1.6.6.0.9	1.7.7.1.6	1.8.8.2.3	1.9.9.3.0	1.10.10.3.9	1.11.11.4.6	2.1.0.5.3
½	1.2.2.7.6	1.3.3.9.0	1.4.4.10.6	1.5.6.0.0	1.6.7.1.6	1.7.8.3.0	1.8.9.4.6	1.9.10.6.0	1.10.11.7.6	2.0.0.9.0	2.1.1.10.6
¾	1.2.3.5.3	1.3.4.7.6	1.4.5.9.9	1.5.7.0.0	1.6.8.2.3	1.7.9.4.6	1.8.10.6.9	1.9.11.9.0	1.11.0.11.3	2.0.2.1.6	2.1.3.3.9
4.5.0	1.2.4.3.0	1.3.5.6.0	1.4.6.9.0	1.5.8.0.0	1.6.9.3.0	1.7.10.6.0	1.8.11.9.0	1.10.1.0.0	1.11.2.3.0	2.0.3.6.0	2.1.4.9.0
¼	1.2.5.0.9	1.3.6.4.6	1.4.7.8.3	1.5.9.0.0	1.6.10.3.9	1.7.11.7.6	1.9.0.11.3	1.10.2.3.0	1.11.3.6.9	2.0.4.10.6	2.1.6.2.3
½	1.2.5.10.6	1.3.7.3.0	1.4.8.7.6	1.5.10.0.0	1.6.11.4.6	1.8.0.9.0	1.9.2.1.6	1.10.3.6.0	1.11.4.10.6	2.0.6.3.0	2.1.7.7.6
¾	1.2.6.8.3	1.3.8.1.6	1.4.9.6.9	1.5.11.0.0	1.7.0.5.3	1.8.1.10.6	1.9.3.3.9	1.10.4.9.0	1.11.6.2.3	2.0.7.7.6	2.1.9.0.9
4.6.0	1.2.7.6.0	1.3.9.0.0	1.4.10.6.0	1.6.0.0.0	1.7.1.6.0	1.8.3.0.0	1.9.4.6.0	1.10.6.0.0	1.11.7.6.0	2.0.9.0.0	2.1.10.6.0
¼	1.2.8.3.9	1.3.9.10.6	1.4.11.5.3	1.6.1.0.0	1.7.2.6.9	1.8.4.1.6	1.9.5.8.3	1.10.7.3.0	1.11.8.9.9	2.0.10.4.6	2.1.11.11.3
½	1.2.9.1.6	1.3.10.9.0	1.5.0.4.6	1.6.2.0.0	1.7.3.7.6	1.8.5.3.0	1.9.6.10.6	1.10.8.6.0	1.11.10.1.6	2.0.11.9.0	2.2.1.4.6
¾	1.2.9.11.3	1.3.11.7.6	1.5.1.3.9	1.6.3.0.0	1.7.4.8.3	1.8.6.4.6	1.9.8.0.9	1.10.9.9.0	1.11.11.5.3	2.1.1.1.6	2.2.2.9.9
4.7.0	1.2.10.9.0	1.4.0.6.0	1.5.2.3.0	1.6.4.0.0	1.7.5.9.0	1.8.7.6.0	1.9.9.3.0	1.10.11.0.0	2.0.0.9.0	2.1.2.6.0	2.2.4.3.0
¼	1.2.11.6.9	1.4.1.4.6	1.5.3.2.3	1.6.5.0.0	1.7.6.9.9	1.8.8.7.6	1.9.10.5.3	1.11.0.3.0	2.0.2.0.9	2.1.3.10.6	2.2.5.8.3
½	1.3.0.4.6	1.4.2.3.0	1.5.4.1.6	1.6.6.0.0	1.7.7.10.6	1.8.9.9.0	1.9.11.7.6	1.11.1.6.0	2.0.3.4.6	2.1.5.3.0	2.2.7.1.6
¾	1.3.1.2.3	1.4.3.1.6	1.5.5.0.9	1.6.7.0.0	1.7.8.11.3	1.8.10.10.6	1.10.0.9.9	1.11.2.9.0	2.0.4.8.3	2.1.6.7.6	2.2.8.6.9
4.8.0	1.3.2.0.0	1.4.4.0.0	1.5.6.0.0	1.6.8.0.0	1.7.10.0.0	1.9.0.0.0	1.10.2.0.0	1.11.4.0.0	2.0.6.0.0	2.1.8.0.0	2.2.10.0.0
¼	1.3.2.9.9	1.4.4.10.6	1.5.6.11.3	1.6.9.0.0	1.7.11.0.9	1.9.1.1.6	1.10.3.2.3	1.11.5.3.0	2.0.7.3.9	2.1.9.4.6	2.2.11.5.3
½	1.3.3.7.6	1.4.5.9.0	1.5.7.10.6	1.6.10.0.0	1.8.0.1.6	1.9.2.3.0	1.10.4.4.6	1.11.6.6.0	2.0.8.7.6	2.1.10.9.0	2.3.0.10.6
¾	1.3.4.5.3	1.4.6.7.6	1.5.8.9.9	1.6.11.0.0	1.8.1.2.3	1.9.3.4.6	1.10.5.6.9	1.11.7.9.0	2.0.9.11.3	2.2.0.1.6	2.3.2.3.9
4.9.0	1.3.5.3.0	1.4.7.6.0	1.5.9.9.0	1.7.0.0.0	1.8.2.3.0	1.9.4.6.0	1.10.6.9.0	1.11.9.0.0	2.0.11.3.0	2.2.1.6.0	2.3.3.9.0
¼	1.3.6.0.9	1.4.8.4.6	1.5.10.8.3	1.7.1.0.0	1.8.3.3.9	1.9.5.7.6	1.10.7.11.3	1.11.10.3.0	2.1.0.6.9	2.2.2.10.6	2.3.5.2.3
½	1.3.6.10.6	1.4.9.3.0	1.5.11.7.6	1.7.2.0.0	1.8.4.4.6	1.9.6.9.0	1.10.9.1.6	1.11.11.6.0	2.1.1.10.6	2.2.4.3.0	2.3.6.7.6
¾	1.3.7.8.3	1.4.10.1.6	1.6.0.6.9	1.7.3.0.0	1.8.5.5.3	1.9.7.10.6	1.10.10.3.9	2.0.0.9.0	2.1.3.2.3	2.2.5.7.6	2.3.8.0.9
4.10.0	1.3.8.6.0	1.4.11.0.0	1.6.1.6.0	1.7.4.0.0	1.8.6.6.0	1.9.9.0.0	1.10.11.6.0	2.0.2.0.0	2.1.4.6.0	2.2.7.0.0	2.3.9.6.0
¼	1.3.9.3.9	1.4.11.10.6	1.6.2.5.3	1.7.5.0.0	1.8.7.6.9	1.9.10.1.6	1.11.0.8.3	2.0.3.3.0	2.1.5.9.9	2.2.8.4.6	2.3.10.11.3
½	1.3.10.1.6	1.5.0.9.0	1.6.3.4.6	1.7.6.0.0	1.8.8.7.6	1.9.11.3.0	1.11.1.10.6	2.0.4.6.0	2.1.7.1.6	2.2.9.9.0	2.4.0.4.6
¾	1.3.10.11.3	1.5.1.7.6	1.6.4.3.9	1.7.7.0.0	1.8.9.8.3	1.10.0.4.6	1.11.3.0.9	2.0.5.9.0	2.1.8.5.3	2.2.11.1.6	2.4.1.9.9
4.11.0	1.3.11.9.0	1.5.2.6.0	1.6.5.3.0	1.7.8.0.0	1.8.10.9.0	1.10.1.6.0	1.11.4.3.0	2.0.7.0.0	2.1.9.9.0	2.3.0.6.0	2.4.3.3.0
¼	1.4.0.6.9	1.5.3.4.6	1.6.6.2.3	1.7.9.0.0	1.8.11.9.9	1.10.2.7.6	1.11.5.5.3	2.0.8.3.0	2.1.11.0.9	2.3.1.10.6	2.4.4.8.3
½	1.4.1.4.6	1.5.4.3.0	1.6.7.1.6	1.7.10.0.0	1.9.0.10.6	1.10.3.9.0	1.11.6.7.6	2.0.9.6.0	2.2.0.4.6	2.3.3.3.0	2.4.6.1.6
¾	1.4.2.2.3	1.5.5.1.6	1.6.8.0.9	1.7.11.0.0	1.9.1.11.3	1.10.4.10.6	1.11.7.9.9	2.0.10.9.0	2.2.1.8.3	2.3.4.7.6	2.4.7.6.9
5.0.0	1.4.3.0.0	1.5.6.0.0	1.6.9.0.0	1.8.0.0.0	1.9.3.0.0	1.10.6.0.0	1.11.9.0.0	2.1.0.0.0	2.2.3.0.0	2.3.6.0.0	2.4.9.0.0
¼	1.4.3.9.9	1.5.6.10.6	1.6.9.11.3	1.8.1.0.0	1.9.4.0.9	1.10.7.1.6	1.11.10.2.3	2.1.1.3.0	2.2.4.3.9	2.3.7.4.6	2.4.10.5.3
½	1.4.4.7.6	1.5.7.9.0	1.6.10.10.6	1.8.2.0.0	1.9.5.1.6	1.10.8.3.0	1.11.11.4.6	2.1.2.6.0	2.2.5.7.6	2.3.8.9.0	2.4.11.10.6
¾	1.4.5.5.3	1.5.8.7.6	1.6.11.9.9	1.8.3.0.0	1.9.6.2.3	1.10.9.4.6	2.0.0.6.9	2.1.3.9.0	2.2.6.11.3	2.3.10.1.6	2.5.1.3.9
5.1.0	1.4.6.3.0	1.5.9.6.0	1.7.0.9.0	1.8.4.0.0	1.9.7.3.0	1.10.10.6.0	2.0.1.9.0	2.1.5.0.0	2.2.8.3.0	2.3.11.6.0	2.5.2.9.0
¼	1.4.7.0.9	1.5.10.4.6	1.7.1.8.3	1.8.5.0.0	1.9.8.3.9	1.10.11.7.6	2.0.2.11.3	2.1.6.3.0	2.2.9.6.9	2.4.0.10.6	2.5.4.2.3
½	1.4.7.10.6	1.5.11.3.0	1.7.2.7.6	1.8.6.0.0	1.9.9.4.6	1.11.0.9.0	2.0.4.1.6	2.1.7.6.0	2.2.10.10.6	2.4.2.3.0	2.5.5.7.6
¾	1.4.8.8.3	1.6.0.1.6	1.7.3.6.9	1.8.7.0.0	1.9.10.5.3	1.11.1.10.6	2.0.5.3.9	2.1.8.9.0	2.3.0.2.3	2.4.3.7.6	2.5.7.0.9
5.2.0	1.4.9.6.0	1.6.1.0.0	1.7.4.6.0	1.8.8.0.0	1.9.11.6.0	1.11.3.0.0	2.0.6.6.0	2.1.10.0.0	2.3.1.6.0	2.4.5.0.0	2.5.8.6.0
¼	1.4.10.3.9	1.6.1.10.6	1.7.5.5.3	1.8.9.0.0	1.10.0.6.9	1.11.4.1.6	2.0.7.8.3	2.1.11.3.0	2.3.2.9.9	2.4.6.4.6	2.5.9.11.3
½	1.4.11.1.6	1.6.2.9.0	1.7.6.4.6	1.8.10.0.0	1.10.1.7.6	1.11.5.3.0	2.0.8.10.6	2.2.0.6.0	2.3.4.1.6	2.4.7.9.0	2.5.11.4.6
¾	1.4.11.11.3	1.6.3.7.6	1.7.7.3.9	1.8.11.0.0	1.10.2.8.3	1.11.6.4.6	2.0.9.0.9	2.2.1.9.0	2.3.5.5.3	2.4.9.1.6	2.6.0.9.9

A TABLE OF FEET AND INCHES

from 5 foot 3 inches by 3 inches and 1 quarter to 7 foot 8 inches and 3 quarters by 6 inches.

F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	0.3¼	0.3½	0.3¾	0.4.0	0.4¼	0.4½	0.4¾	0.5.0	0.5¼	0.5½	0.5¾	0.6.0.
5.3.0 ¼ ½ ¾	1.5.0.9.0 1.5.1.6.9 1.5.2.4.6 1.5.3.2.3	1.6.4.6.0 1.6.5.4.6 1.6.6.3.0 1.6.7.1.6	1.7.8.3.0 1.7.9.2.3 1.7.10.1.6 1.7.11.0.9	1.9.0.0.0 1.9.1.0.0 1.9.2.0.0 1.9.3.0.0	1.10.3.9.0 1.10.4.9.9 1.10.5.10.6 1.10.6.11.3	1.11.7.6.0 1.11.8.7.6 1.11.9.9.0 1.11.10.10.6	2.0.11.3.0 2.1.0.5.3 2.1.1.7.6 2.1.2.9.9	2.2.3.0.0 2.2.4.3.0 2.2.5.6.0 2.2.6.9.0	2.3.6.9.0 2.3.8.0.9 2.3.9.4.6 2.3.10.8.3	2.4.10.6.0 2.4.11.10.6 2.5.1.3.0 2.5.2.7.6	2.6.2.3.0 2.6.3.8.3 2.6.5.1.6 2.6.6.6.9	2.7.6.0.0 2.7.7.6.0 2.7.9.0.0 2.7.10.6.0
5.4.0 ¼ ½ ¾	1.5.4.0.0 1.5.4.9.9 1.5.5.7.6 1.5.6.5.3	1.6.8.0.0 1.6.8.10.6 1.6.9.9.0 1.6.10.7.6	1.8.0.0.0 1.8.0.11.3 1.8.1.10.6 1.8.2.9.9	1.9.4.0.0 1.9.5.0.0 1.9.6.0.0 1.9.7.0.0	1.10.8.0.0 1.10.9.0.9 1.10.10.1.6 1.10.11.2.3	2.0.0.0.0 2.0.1.1.6 2.0.2.3.0 2.0.3.4.6	2.1.4.0.0 2.1.5.2.3 2.1.6.4.6 2.1.7.6.9	2.2.8.0.0 2.2.9.3.0 2.2.10.6.0 2.2.11.9.0	2.4.0.0.0 2.4.1.3.9 2.4.2.7.6 2.4.3.11.3	2.5.4.0.0 2.5.5.4.6 2.5.6.9.0 2.5.8.1.6	2.6.8.0.0 2.6.9.5.3 2.6.10.10.6 2.7.0.3.9	2.8.0.0.0 2.8.1.6.0 2.8.3.0.0 2.8.4.6.0
5.5.0 ¼ ½ ¾	1.5.7.3.0 1.5.8.0.9 1.5.8.10.6 1.5.9.8.3	1.6.11.6.0 1.7.0.4.6 1.7.1.3.0 1.7.2.1.6	1.8.3.9.0 1.8.4.8.3 1.8.5.7.6 1.8.6.6.9	1.9.8.0.0 1.9.9.0.0 1.9.10.0.0 1.9.11.0.0	1.11.0.3.0 1.11.1.3.9 1.11.2.4.6 1.11.3.5.3	2.0.4.6.0 2.0.5.7.6 2.0.6.9.0 2.0.7.10.6	2.1.8.9.0 2.1.9.11.3 2.1.11.1.6 2.2.0.3.9	2.3.1.0.0 2.3.2.3.0 2.3.3.6.0 2.3.4.9.0	2.4.5.3.0 2.4.6.6.9 2.4.7.10.6 2.4.9.2.3	2.5.9.6.0 2.5.10.10.6 2.6.0.3.0 2.6.1.7.6	2.7.1.9.0 2.7.3.2.3 2.7.4.7.6 2.7.6.0.9	2.8.6.0.0 2.8.7.6.0 2.8.9.0.0 2.8.10.6.0
5.6.0 ¼ ½ ¾	1.5.10.6.0 1.5.11.3.9 1.6.0.1.6 1.6.0.11.3	1.7.3.0.0 1.7.3.10.6 1.7.4.9.0 1.7.5.7.6	1.8.7.6.0 1.8.8.5.3 1.8.9.4.6 1.8.10.3.9	1.10.0.0.0 1.10.1.0.0 1.10.2.0.0 1.10.3.0.0	1.11.4.6.0 1.11.5.6.9 1.11.6.7.6 1.11.7.8.3	2.0.9.0.0 2.0.10.1.6 2.0.11.3.0 2.1.0.4.6	2.2.1.6.0 2.2.2.8.3 2.2.3.10.6 2.2.5.0.9	2.3.6.0.0 2.3.7.3.0 2.3.8.6.0 2.3.9.9.0	2.4.10.6.0 2.4.11.9.9 2.5.1.1.6 2.5.2.5.3	2.6.3.0.0 2.6.4.4.6 2.6.5.9.0 2.6.7.1.6	2.7.7.6.0 2.7.8.11.3 2.7.10.4.6 2.7.11.9.9	2.9.0.0.0 2.9.1.6.0 2.9.3.0.0 2.9.4.6.0
5.7.0 ¼ ½ ¾	1.6.1.9.0 1.6.2.6.9 1.6.3.4.6 1.6.4.2.3	1.7.6.6.0 1.7.7.4.6 1.7.8.3.0 1.7.9.1.6	1.8.11.3.0 1.9.0.2.3 1.9.1.1.6 1.9.2.0.9	1.10.4.0.0 1.10.5.0.0 1.10.6.0.0 1.10.7.0.0	1.11.8.9.0 1.11.9.9.9 1.11.10.10.6 1.11.11.11.3	2.1.1.6.0 2.1.2.7.6 2.1.3.9.0 2.1.4.10.6	2.2.6.3.0 2.2.7.5.3 2.2.8.7.6 2.2.9.9.9	2.3.11.0.0 2.4.0.3.0 2.4.1.6.0 2.4.2.9.0	2.5.3.9.0 2.5.5.0.9 2.5.6.4.6 2.5.7.8.3	2.6.8.6.0 2.6.9.10.6 2.6.11.3.0 2.7.0.7.6	2.8.1.3.0 2.8.2.8.3 2.8.4.1.6 2.8.5.6.9	2.9.6.0.0 2.9.7.6.0 2.9.9.0.0 2.9.10.6.0
5.8.0 ¼ ½ ¾	1.6.5.0.0 1.6.5.9.9 1.6.6.7.6 1.6.7.5.3	1.7.10.0.0 1.7.10.10.6 1.7.11.9.0 1.8.0.7.6	1.9.3.0.0 1.9.3.11.3 1.9.4.10.6 1.9.5.9.9	1.10.8.0.0 1.10.9.0.0 1.10.10.0.0 1.10.11.0.0	2.0.1.0.0 2.0.2.0.9 2.0.3.1.6 2.0.4.2.3	2.1.6.0.0 2.1.7.1.6 2.1.8.3.0 2.1.9.4.6	2.2.11.0.0 2.3.0.2.3 2.3.1.4.6 2.3.2.6.9	2.4.4.0.0 2.4.5.3.0 2.4.6.6.0 2.4.7.9.0	2.5.9.0.0 2.5.10.3.9 2.5.11.7.6 2.6.0.11.3	2.7.2.0.0 2.7.3.4.6 2.7.4.9.0 2.7.6.1.6	2.8.7.0.0 2.8.8.5.3 2.8.9.10.6 2.8.11.3.9	2.10.0.0.0 2.10.1.6.0 2.10.3.0.0 2.10.4.6.0
5.9.0 ¼ ½ ¾	1.6.8.3.0 1.6.9.0.9 1.6.9.10.6 1.6.10.8.3	1.8.1.6.0 1.8.2.4.6 1.8.3.3.0 1.8.4.1.6	1.9.6.9.0 1.9.7.8.3 1.9.8.7.6 1.9.9.6.9	1.11.0.0.0 1.11.1.0.0 1.11.2.0.0 1.11.3.0.0	2.0.5.3.0 2.0.6.3.9 2.0.7.4.6 2.0.8.5.3	2.1.10.6.0 2.1.11.7.6 2.2.0.9.0 2.2.1.10.6	2.3.3.9.0 2.3.4.11.3 2.3.6.1.6 2.3.7.3.9	2.4.9.0.0 2.4.10.3.0 2.4.11.6.0 2.5.0.9.0	2.6.2.3.0 2.6.3.6.9 2.6.4.10.6 2.6.6.2.3	2.7.7.6.0 2.7.8.10.6 2.7.10.3.0 2.7.11.7.6	2.9.0.9.0 2.9.2.2.3 2.9.3.7.6 2.9.5.0.9	2.10.6.0.0 2.10.7.6.0 2.10.9.0.0 2.10.10.6.0
5.10.0 ¼ ½ ¾	1.6.11.6.0 1.7.0.3.9 1.7.1.1.6 1.7.1.11.3	1.8.5.0.0 1.8.5.10.6 1.8.6.9.0 1.8.7.7.6	1.9.10.6.0 1.9.11.5.3 1.10.0.4.6 1.10.1.3.9	1.11.4.0.0 1.11.5.0.0 1.11.6.0.0 1.11.7.0.0	2.0.9.6.0 2.0.10.6.9 2.0.11.7.6 2.1.0.8.3	2.2.3.0.0 2.2.4.1.6 2.2.5.3.0 2.2.6.4.6	2.3.8.6.0 2.3.9.8.3 2.3.10.10.6 2.4.0.0.9	2.5.2.0.0 2.5.3.3.0 2.5.4.6.0 2.5.5.9.0	2.6.7.6.0 2.6.8.9.9 2.6.10.1.6 2.6.11.5.3	2.8.1.0.0 2.8.2.4.6 2.8.3.9.0 2.8.5.1.6	2.9.6.6.0 2.9.7.11.3 2.9.9.4.6 2.9.10.9.9	2.11.0.0.0 2.11.1.6.0 2.11.3.0.0 2.11.4.6.0
5.11.0 ¼ ½ ¾	1.7.2.9.0 1.7.3.6.9 1.7.4.4.6 1.7.5.2.3	1.8.8.6.0 1.8.9.4.6 1.8.10.3.0 1.8.11.1.6	1.10.2.3.0 1.10.3.2.3 1.10.4.1.6 1.10.5.0.9	1.11.8.0.0 1.11.9.0.0 1.11.10.0.0 1.11.11.0.0	2.1.1.9.0 2.1.2.9.9 2.1.3.10.6 2.1.4.11.3	2.2.7.6.0 2.2.8.7.6 2.2.9.9.0 2.2.10.10.6	2.4.1.3.0 2.4.2.5.3 2.4.3.7.6 2.4.4.9.9	2.5.7.0.0 2.5.8.3.0 2.5.9.6.0 2.5.10.9.0	2.7.0.9.0 2.7.2.0.9 2.7.3.4.6 2.7.4.8.3	2.8.6.6.0 2.8.7.10.6 2.8.9.3.0 2.8.10.7.6	2.10.0.3.0 2.10.1.8.3 2.10.3.1.6 2.10.4.6.9	2.11.6.0.0 2.11.7.6.0 2.11.9.0.0 2.11.10.6.0
6.0.0 ¼ ½ ¾	1.7.6.0.0 1.7.6.9.9 1.7.7.7.6 1.7.8.5.3	1.9.0.0.0 1.9.0.10.6 1.9.1.9.0 1.9.2.7.6	1.10.6.0.0 1.10.6.11.3 1.10.7.10.6 1.10.8.9.9	2.0.0.0.0 2.0.1.0.0 2.0.2.0.0 2.0.3.0.0	2.1.6.0.0 2.1.7.0.9 2.1.8.1.6 2.1.9.2.3	2.3.0.0.0 2.3.1.1.6 2.3.2.3.0 2.3.3.4.6	2.4.6.0.0 2.4.7.2.3 2.4.8.4.6 2.4.9.6.9	2.6.0.0.0 2.6.1.3.0 2.6.2.6.0 2.6.3.9.0	2.7.6.0.0 2.7.7.3.9 2.7.8.7.6 2.7.9.11.3	2.9.0.0.0 2.9.1.4.6 2.9.2.9.0 2.9.4.1.6	2.10.6.0.0 2.10.7.5.3 2.10.8.10.6 2.10.10.3.9	3.0.0.0.0 3.0.1.6.0 3.0.3.0.0 3.0.4.6.0
6.1.0 ¼ ½ ¾	1.7.9.3.0 1.7.10.0.9 1.7.10.10.6 1.7.11.8.3	1.9.3.6.0 1.9.4.4.6 1.9.5.3.0 1.9.6.1.6	1.10.9.9.0 1.10.10.8.3 1.10.11.7.6 1.11.0.6.9	2.0.4.0.0 2.0.5.0.0 2.0.6.0.0 2.0.7.0.0	2.1.10.3.0 2.1.11.3.9 2.2.0.4.6 2.2.1.5.3	2.3.4.6.0 2.3.5.7.6 2.3.6.9.0 2.3.7.10.6	2.4.10.9.0 2.4.11.11.3 2.5.1.1.6 2.5.2.3.9	2.6.5.0.0 2.6.6.3.0 2.6.7.6.0 2.6.8.9.0	2.7.11.3.0 2.8.0.6.9 2.8.1.10.6 2.8.3.2.3	2.9.5.6.0 2.9.6.10.6 2.9.8.3.0 2.9.9.7.6	2.10.11.9.0 2.11.1.2.3 2.11.2.7.6 2.11.4.0.9	3.0.6.0.0 3.0.7.6.0 3.0.9.0.0 3.0.10.6.0
6.2.0 ¼ ½ ¾	1.8.0.6.0 1.8.1.3.9 1.8.2.1.6 1.8.2.11.3	1.9.7.0.0 1.9.7.10.6 1.9.8.9.0 1.9.9.7.6	1.11.1.6.0 1.11.2.5.3 1.11.3.4.6 1.11.4.3.9	2.0.8.0.0 2.0.9.0.0 2.0.10.0.0 2.0.11.0.0	2.2.2.6.0 2.2.3.6.9 2.2.4.7.6 2.2.5.8.3	2.3.9.0.0 2.3.10.1.6 2.3.11.3.0 2.4.0.4.6	2.5.3.6.0 2.5.4.8.3 2.5.5.10.6 2.5.7.0.9	2.6.10.0.0 2.6.11.3.0 2.7.0.6.0 2.7.1.9.0	2.8.4.6.0 2.8.5.9.9 2.8.7.1.6 2.8.8.5.3	2.9.11.0.0 2.10.0.4.6 2.10.1.9.0 2.10.3.1.6	2.11.5.6.0 2.11.6.11.3 2.11.8.4.6 2.11.9.9.9	3.1.0.0.0 3.1.1.6.0 3.1.3.0.0 3.1.4.6.0
6.3.0 ¼ ½ ¾	1.8.3.9.0 1.8.4.6.9 1.8.5.4.6 1.8.6.2.3	1.9.10.6.0 1.9.11.4.6 1.10.0.3.0 1.10.1.1.6	1.11.5.3.0 1.11.6.2.3 1.11.7.1.6 1.11.8.0.9	2.1.0.0.0 2.1.1.0.0 2.1.2.0.0 2.1.3.0.0	2.2.6.9.0 2.2.7.9.9 2.2.8.10.6 2.2.9.11.3	2.4.1.6.0 2.4.2.7.6 2.4.3.9.0 2.4.4.10.6	2.5.8.3.0 2.5.9.5.3 2.5.10.7.6 2.5.11.9.9	2.7.3.0.0 2.7.4.3.0 2.7.5.6.0 2.7.6.9.0	2.8.9.9.0 2.8.11.0.9 2.9.0.4.6 2.9.1.8.3	2.10.4.6.0 2.10.5.10.6 2.10.7.3.0 2.10.8.7.6	2.11.11.3.0 3.0.0.8.3 3.0.2.1.6 3.0.3.6.9	3.1.6.0.0 3.1.7.6.0 3.1.9.0.0 3.1.10.6.0
6.4.0 ¼ ½ ¾	1.8.7.0.0 1.8.7.9.9 1.8.8.7.6 1.8.9.5.3	1.10.2.0.0 1.10.2.10.6 1.10.3.9.0 1.10.4.7.6	1.11.9.0.0 1.11.9.11.3 1.11.10.10.6 1.11.11.9.9	2.1.4.0.0 2.1.5.0.0 2.1.6.0.0 2.1.7.0.0	2.2.11.0.0 2.3.0.0.9 2.3.1.1.6 2.3.2.2.3	2.4.6.0.0 2.4.7.1.6 2.4.8.3.0 2.4.9.4.6	2.6.1.0.0 2.6.2.2.3 2.6.3.4.6 2.6.4.6.9	2.7.8.0.0 2.7.9.3.0 2.7.10.6.0 2.7.11.9.0	2.9.3.0.0 2.9.4.3.9 2.9.5.7.6 2.9.6.11.3	2.10.10.0.0 2.10.11.4.6 2.11.0.9.0 2.11.2.1.6	3.0.5.0.0 3.0.6.5.3 3.0.7.10.6 3.0.9.3.9	3.2.0.0.0 3.2.1.6.0 3.2.3.0.0 3.2.4.6.0
6.5.0 ¼ ½ ¾	1.8.10.3.0 1.8.11.0.9 1.8.11.10.6 1.9.0.8.3	1.10.5.6.0 1.10.6.4.6 1.10.7.3.0 1.10.8.1.6	2.0.0.9.0 2.0.1.8.3 2.0.2.7.6 2.0.3.6.9	2.1.8.0.0 2.1.9.0.0 2.1.10.0.0 2.1.11.0.0	2.3.3.3.0 2.3.4.3.9 2.3.5.4.6 2.3.6.5.3	2.4.10.6.0 2.4.11.7.6 2.5.0.9.0 2.5.1.10.6	2.6.5.9.0 2.6.6.11.3 2.6.8.1.6 2.6.9.3.9	2.8.1.0.0 2.8.2.3.0 2.8.3.6.0 2.8.4.9.0	2.9.8.3.0 2.9.9.6.9 2.9.10.10.6 2.10.0.2.3	2.11.3.6.0 2.11.4.10.6 2.11.6.3.0 2.11.7.7.6	3.0.10.9.0 3.1.0.2.3 3.1.1.7.6 3.1.3.0.9	3.2.6.0.0 3.2.7.6.0 3.2.9.0.0 3.2.10.6.0
6.6.0 ¼ ½ ¾	1.9.1.6.0 1.9.2.3.9 1.9.3.1.6 1.9.3.11.3	1.10.9.0.0 1.10.9.10.6 1.10.10.9.0 1.10.11.7.6	2.0.4.6.0 2.0.5.5.3 2.0.6.4.6 2.0.7.3.9	2.2.0.0.0 2.2.1.0.0 2.2.2.0.0 2.2.3.0.0	2.3.7.6.0 2.3.8.6.9 2.3.9.7.6 2.3.10.8.3	2.5.3.0.0 2.5.4.1.6 2.5.5.3.0 2.5.6.4.6	2.6.10.6.0 2.6.11.8.3 2.7.0.10.6 2.7.2.0.9	2.8.6.0.0 2.8.7.3.0 2.8.8.6.0 2.8.9.9.0	2.10.1.6.0 2.10.2.9.9 2.10.4.1.6 2.10.5.5.3	2.11.9.0.0 2.11.10.4.6 2.11.11.9.0 3.0.1.1.6	3.1.4.6.0 3.1.5.11.3 3.1.7.4.6 3.1.8.9.9	3.3.0.0.0 3.3.1.6.0 3.3.3.0.0 3.3.4.6.0
6.7.0 ¼ ½ ¾	1.9.4.9.0 1.9.5.6.9 1.9.6.4.6 1.9.7.2.3	1.11.0.6.0 1.11.1.4.6 1.11.2.3.0 1.11.3.1.6	2.0.8.3.0 2.0.9.2.3 2.0.10.1.6 2.0.11.0.9	2.2.4.0.0 2.2.5.0.0 2.2.6.0.0 2.2.7.0.0	2.3.11.9.0 2.4.0.9.9 2.4.1.10.6 2.4.2.11.3	2.5.7.6.0 2.5.8.7.6 2.5.9.9.0 2.5.10.10.6	2.7.3.3.0 2.7.4.5.3 2.7.5.7.6 2.7.6.9.9	2.8.11.0.0 2.9.0.3.0 2.9.1.6.0 2.9.2.9.0	2.10.6.9.0 2.10.8.0.9 2.10.9.4.6 2.10.10.8.3	3.0.2.6.0 3.0.3.10.6 3.0.5.3.0 3.0.6.7.6	3.1.10.3.0 3.1.11.8.3 3.2.1.1.6 3.2.2.6.9	3.3.6.0.0 3.3.7.6.0 3.3.9.0.0 3.3.10.6.0
6.8.0 ¼ ½ ¾	1.9.8.0.0 1.9.8.9.9 1.9.9.7.6 1.9.10.5.3	1.11.4.0.0 1.11.4.10.6 1.11.5.9.0 1.11.6.7.6	2.1.0.0.0 2.1.0.11.3 2.1.1.10.6 2.1.2.9.9	2.2.8.0.0 2.2.9.0.0 2.2.10.0.0 2.2.11.0.0	2.4.4.0.0 2.4.5.0.9 2.4.6.1.6 2.4.7.2.3	2.6.0.0.0 2.6.1.1.6 2.6.2.3.0 2.6.3.4.6	2.7.8.0.0 2.7.9.2.3 2.7.10.4.6 2.7.11.6.9	2.9.4.0.0 2.9.5.3.0 2.9.6.6.0 2.9.7.9.0	2.11.0.0.0 2.11.1.3.9 2.11.2.7.6 2.11.3.11.3	3.0.8.0.0 3.0.9.4.6 3.0.10.9.0 3.1.0.1.6	3.2.4.0.0 3.2.5.5.3 3.2.6.10.6 3.2.8.3.9	3.4.0.0.0 3.4.1.6.0 3.4.3.0.0 3.4.4.6.0
6.9.0 ¼ ½ ¾	1.9.11.3.0 1.10.0.0.9 1.10.0.10.6 1.10.1.8.3	1.11.7.6.0 1.11.8.4.6 1.11.9.3.0 1.11.10.1.6	2.1.3.9.0 2.1.4.8.3 2.1.5.7.6 2.1.6.6.9	2.3.0.0.0 2.3.1.0.0 2.3.2.0.0 2.3.3.0.0	2.4.8.3.0 2.4.9.3.9 2.4.10.4.6 2.4.11.5.3	2.6.4.6.0 2.6.5.7.6 2.6.6.9.0 2.6.7.10.6	2.8.0.9.0 2.8.1.11.3 2.8.3.1.6 2.8.4.3.9	2.9.9.0.0 2.9.10.3.0 2.9.11.6.0 2.10.0.9.0	2.11.5.3.0 2.11.6.6.9 2.11.7.10.6 2.11.9.2.3	3.1.1.6.0 3.1.2.10.6 3.1.4.3.0 3.1.5.7.6	3.2.9.9.0 3.2.11.2.3 3.3.0.7.6 3.3.2.0.9	3.4.6.0.0 3.4.7.6.0 3.4.9.0.0 3.4.10.6.0
6.10.0 ¼ ½ ¾	1.10.2.6.0 1.10.3.3.9 1.10.4.1.6 1.10.4.11.3	1.11.11.0.0 1.11.11.10.6 2.0.0.9.0 2.0.1.7.6	2.1.7.6.0 2.1.8.5.3 2.1.9.4.6 2.1.10.3.9	2.3.4.0.0 2.3.5.0.0 2.3.6.0.0 2.3.7.0.0	2.5.0.6.0 2.5.1.6.9 2.5.2.7.6 2.5.3.8.3	2.6.9.0.0 2.6.10.1.6 2.6.11.3.0 2.7.0.4.6	2.8.5.6.0 2.8.6.8.3 2.8.7.10.6 2.8.9.0.9	2.10.2.0.0 2.10.3.3.0 2.10.4.6.0 2.10.5.9.0	2.11.10.6.0 2.11.11.9.9 3.0.1.1.6 3.0.2.5.3	3.1.7.0.0 3.1.8.4.6 3.1.9.9.0 3.1.11.1.6	3.3.3.6.0 3.3.4.11.3 3.3.6.4.6 3.3.7.9.9	3.5.0.0.0 3.5.1.6.0 3.5.3.0.0 3.5.4.6.0
6.11.0 ¼ ½ ¾	1.10.5.9.0 1.10.6.6.9 1.10.7.4.6 1.10.8.2.3	2.0.2.6.0 2.0.3.4.6 2.0.4.3.0 2.0.5.1.6	2.1.11.3.0 2.2.0.2.3 2.2.1.1.6 2.2.2.0.9	2.3.8.0.0 2.3.9.0.0 2.3.10.0.0 2.3.11.0.0	2.5.4.9.0 2.5.5.9.9 2.5.6.10.6 2.5.7.11.3	2.7.1.6.0 2.7.2.7.6 2.7.3.9.0 2.7.4.10.6	2.8.10.3.0 2.8.11.5.3 2.9.0.7.6 2.9.1.9.9	2.10.7.0.0 2.10.8.3.0 2.10.9.6.0 2.10.10.9.0	3.0.3.9.0 3.0.5.0.9 3.0.6.4.6 3.0.7.8.3	3.2.0.6.0 3.2.1.10.6 3.2.3.3.0 3.2.4.7.6	3.3.9.3.0 3.3.10.8.3 3.4.0.1.6 3.4.1.6.9	3.5.6.0.0 3.5.7.6.0 3.5.9.0.0 3.5.10.6.0
7.0.0 ¼ ½ ¾	1.10.9.0.0 1.10.9.9.9 1.10.10.7.6 1.10.11.5.3	2.0.6.0.0 2.0.6.10.6 2.0.7.9.0 2.0.8.7.6	2.2.3.0.0 2.2.3.11.3 2.2.4.10.6 2.2.5.9.9	2.4.0.0.0 2.4.1.0.0 2.4.2.0.0 2.4.3.0.0	2.5.9.0.0 2.5.10.0.9 2.5.11.1.6 2.6.0.2.3	2.7.6.0.0 2.7.7.1.6 2.7.8.3.0 2.7.9.4.6	2.9.3.0.0 2.9.4.2.3 2.9.5.4.6 2.9.6.6.9	2.11.0.0.0 2.11.1.3.0 2.11.2.6.0 2.11.3.9.0	3.0.9.0.0 3.0.10.3.9 3.0.11.7.6 3.1.0.11.3	3.2.6.0.0 3.2.7.4.6 3.2.8.9.0 3.2.10.1.6	3.4.3.0.0 3.4.4.5.3 3.4.5.10.6 3.4.7.3.9	3.6.0.0.0 3.6.1.6.0 3.6.3.0.0 3.6.4.6.0
7.1.0 ¼ ½ ¾	1.11.0.3.0 1.11.1.0.9 1.11.1.10.6 1.11.2.8.3	2.0.9.6.0 2.0.10.4.6 2.0.11.3.0 2.1.0.1.6	2.2.6.9.0 2.2.7.8.3 2.2.8.7.6 2.2.9.6.9	2.4.4.0.0 2.4.5.0.0 2.4.6.0.0 2.4.7.0.0	2.6.1.3.0 2.6.2.3.9 2.6.3.4.6 2.6.4.5.3	2.7.10.6.0 2.7.11.7.6 2.8.0.9.0 2.8.1.10.6	2.9.7.9.0 2.9.8.11.3 2.9.10.1.6 2.9.11.3.9	2.11.5.0.0 2.11.6.3.0 2.11.7.6.0 2.11.8.9.0	3.1.2.3.0 3.1.3.6.9 3.1.4.10.6 3.1.6.2.3	3.2.11.6.0 3.3.0.10.6 3.3.2.3.0 3.3.3.7.6	3.4.8.9.0 3.4.10.2.3 3.4.11.7.6 3.5.1.0.9	3.6.6.0.0 3.6.7.6.0 3.6.9.0.0 3.6.10.6.0
7.2.0 ¼ ½ ¾	1.11.3.6.0 1.11.4.3.9 1.11.5.1.6 1.11.5.11.3	2.1.1.0.0 2.1.1.10.6 2.1.2.9.0 2.1.3.7.6	2.2.10.6.0 2.2.11.5.3 2.3.0.4.6 2.3.1.3.9	2.4.8.0.0 2.4.9.0.0 2.4.10.0.0 2.4.11.0.0	2.6.5.6.0 2.6.6.6.9 2.6.7.7.6 2.6.8.8.3	2.8.3.0.0 2.8.4.1.6 2.8.5.3.0 2.8.6.4.6	2.10.0.6.0 2.10.1.8.3 2.10.2.10.6 2.10.4.0.9	2.11.10.0.0 2.11.11.3.0 3.0.0.6.0 3.0.1.9.0	3.1.7.6.0 3.1.8.9.9 3.1.10.1.6 3.1.11.5.3	3.3.5.0.0 3.3.6.4.6 3.3.7.9.0 3.3.9.1.6	3.5.2.6.0 3.5.3.11.3 3.5.5.4.6 3.5.6.9.9	3.7.0.0.0 3.7.1.6.0 3.7.3.0.0 3.7.4.6.0
7.3.0 ¼ ½ ¾	1.11.6.9.0 1.11.7.6.9 1.11.8.4.6 1.11.9.2.3	2.1.4.6.0 2.1.5.4.6 2.1.6.3.0 2.1.7.1.6	2.3.2.3.0 2.3.3.2.3 2.3.4.1.6 2.3.5.0.9	2.5.0.0.0 2.5.1.0.0 2.5.2.0.0 2.5.3.0.0	2.6.9.9.0 2.6.10.9.9 2.6.11.10.6 2.7.0.11.3	2.8.7.6.0 2.8.8.7.6 2.8.9.9.0 2.8.10.10.6	2.10.5.3.0 2.10.6.5.3 2.10.7.7.6 2.10.8.9.9	3.0.3.0.0 3.0.4.3.0 3.0.5.6.0 3.0.6.9.0	3.2.0.9.0 3.2.2.0.9 3.2.3.4.6 3.2.4.8.3	3.3.10.6.0 3.3.11.10.6 3.4.1.3.0 3.4.2.7.6	3.5.8.3.0 3.5.9.8.3 3.5.11.1.6 3.6.0.6.9	3.7.6.0.0 3.7.7.6.0 3.7.9.0.0 3.7.10.6.0
7.4.0 ¼ ½ ¾	1.11.10.0.0 1.11.10.9.9 1.11.11.7.6 2.0.0.5.3	2.1.8.0.0 2.1.8.10.6 2.1.9.9.0 2.1.10.7.6	2.3.6.0.0 2.3.6.11.3 2.3.7.10.6 2.3.8.9.9	2.5.4.0.0 2.5.5.0.0 2.5.6.0.0 2.5.7.0.0	2.7.2.0.0 2.7.3.0.9 2.7.4.1.6 2.7.5.2.3	2.9.0.0.0 2.9.1.1.6 2.9.2.3.0 2.9.3.4.6	2.10.10.0.0 2.10.11.2.3 2.11.0.4.6 2.11.1.6.9	3.0.8.0.0 3.0.9.3.0 3.0.10.6.0 3.0.11.9.0	3.2.6.0.0 3.2.7.3.9 3.2.8.7.6 3.2.9.11.3	3.4.4.0.0 3.4.5.4.6 3.4.6.9.0 3.4.8.1.6	3.6.2.0.0 3.6.3.5.3 3.6.4.10.6 3.6.6.3.9	3.8.0.0.0 3.8.1.6.0 3.8.3.0.0 3.8.4.6.0
7.5.0 ¼ ½ ¾	2.0.1.3.0 2.0.2.0.9 2.0.2.10.6 2.0.3.8.3	2.1.11.6.0 2.2.0.4.6 2.2.1.3.0 2.2.2.1.6	2.3.9.9.0 2.3.10.8.3 2.3.11.7.6 2.4.0.6.9	2.5.8.0.0 2.5.9.0.0 2.5.10.0.0 2.5.11.0.0	2.7.6.3.0 2.7.7.3.9 2.7.8.4.6 2.7.9.5.3	2.9.4.6.0 2.9.5.7.6 2.9.6.9.0 2.9.7.10.6	2.11.2.9.0 2.11.3.11.3 2.11.5.1.6 2.11.6.3.9	3.1.1.0.0 3.1.2.3.0 3.1.3.6.0 3.1.4.9.0	3.2.11.3.0 3.3.0.6.9 3.3.1.10.6 3.3.3.2.3	3.4.9.6.0 3.4.10.10.6 3.5.0.3.0 3.5.1.7.6	3.6.7.9.0 3.6.9.2.3 3.6.10.7.6 3.7.0.0.9	3.8.6.0.0 3.8.7.6.0 3.8.9.0.0 3.8.10.6.0
7.6.0 ¼ ½ ¾	2.0.4.6.0 2.0.5.3.9 2.0.6.1.6 2.0.6.11.3	2.2.3.0.0 2.2.3.10.6 2.2.4.9.0 2.2.5.7.6	2.4.1.6.0 2.4.2.5.3 2.4.3.4.6 2.4.4.3.9	2.6.0.0.0 2.6.1.0.0 2.6.2.0.0 2.6.3.0.0	2.7.10.6.0 2.7.11.6.9 2.8.0.7.6 2.8.1.8.3	2.9.9.0.0 2.9.10.1.6 2.9.11.3.0 2.10.0.4.6	2.11.7.6.0 2.11.8.8.3 2.11.9.10.6 2.11.11.0.9	3.1.6.0.0 3.1.7.3.0 3.1.8.6.0 3.1.9.9.0	3.3.4.6.0 3.3.5.9.9 3.3.7.1.6 3.3.8.5.3	3.5.3.0.0 3.5.4.4.6 3.5.5.9.0 3.5.7.1.6	3.7.1.6.0 3.7.2.11.3 3.7.4.4.6 3.7.5.9.9	3.9.0.0.0 3.9.1.6.0 3.9.3.0.0 3.9.4.6.0
7.7.0 ¼ ½ ¾	2.0.7.9.0 2.0.8.6.9 2.0.9.4.6 2.0.10.2.3	2.2.6.6.0 2.2.7.4.6 2.2.8.3.0 2.2.9.1.6	2.4.5.3.0 2.4.6.2.3 2.4.7.1.6 2.4.8.0.9	2.6.4.0.0 2.6.5.0.0 2.6.6.0.0 2.6.7.0.0	2.8.2.9.0 2.8.3.9.9 2.8.4.10.6 2.8.5.11.3	2.10.1.6.0 2.10.2.7.6 2.10.3.9.0 2.10.4.10.6	3.0.0.3.0 3.0.1.5.3 3.0.2.7.6 3.0.3.9.9	3.1.11.0.0 3.2.0.3.0 3.2.1.6.0 3.2.2.9.0	3.3.9.9.0 3.3.11.0.9 3.4.0.4.6 3.4.1.8.3	3.5.8.6.0 3.5.9.10.6 3.5.11.3.0 3.6.0.7.6	3.7.7.3.0 3.7.8.8.3 3.7.10.1.6 3.7.11.6.9	3.9.6.0.0 3.9.7.6.0 3.9.9.0.0 3.9.10.6.0
7.8.0 ¼ ½ ¾	2.0.11.0.0 2.0.11.9.9 2.1.0.7.6 2.1.1.5.3	2.2.10.0.0 2.2.10.10.6 2.2.11.9.0 2.3.0.7.6	2.4.9.0.0 2.4.9.11.3 2.4.10.10.6 2.4.11.9.9	2.6.8.0.0 2.6.9.0.0 2.6.10.0.0 2.6.11.0.0	2.8.7.0.0 2.8.8.0.9 2.8.9.1.6 2.8.10.2.3	2.10.6.0.0 2.10.7.1.6 2.10.8.3.0 2.10.9.4.6	3.0.5.0.0 3.0.6.2.3 3.0.7.4.6 3.0.8.6.9	3.2.4.0.0 3.2.5.3.0 3.2.6.6.0 3.2.7.9.0	3.4.3.0.0 3.4.4.3.9 3.4.5.7.6 3.4.6.11.3	3.6.2.0.0 3.6.3.4.6 3.6.4.9.0 3.6.6.1.6	3.8.1.0.0 3.8.2.5.3 3.8.3.10.6 3.8.5.3.9	3.10.0.0.0 3.10.1.6.0 3.10.3.0.0 3.10.4.6.0

A TABLE OF FEET AND INCHES

from 7 foot 9 inches by 3 inches and 1 quarter to 10 foot 2 inches and 3 quarters by 6 inches.

F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	0.3.¼	0.3.½	0.3.¾	0.4.0	0.4.¼	0.4.½	0.4.¾	0.5.0	0.5.¼	0.5.½	0.5.¾	0.6.0
7.9.0 ¼ ½ ¾	2.1.2.3.0 2.1.3.0.9 2.1.3.10.6 2.1.4.8.3	2.3.1.6.0 2.3.2.4.6 2.3.3.3.0 2.3.4.1.6	2.5.0.9.0 2.5.1.8.3 2.5.2.7.6 2.5.3.6.9	2.7.0.0.0 2.7.1.0.0 2.7.2.0.0 2.7.3.0.0	2.8.11.3.0 2.9.0.3.9 2.9.1.4.6 2.9.2.5.3	2.10.10.6.0 2.10.11.7.6 2.11.0.9.0 2.11.1.10.6	3.0.9.9.0 3.0.10.11.3 3.1.0.1.6 3.1.1.3.9	3.2.9.0.0 3.2.10.3.0 3.2.11.6.0 3.3.0.9.0	3.4.8.3.0 3.4.9.6.9 3.4.10.10.6 3.5.0.2.3	3.6.7.6.0 3.6.8.10.6 3.6.10.3.0 3.6.11.7.6	3.8.6.9.0 3.8.8.2.3 3.8.9.7.6 3.8.11.0.9	3.10.6.0.0 3.10.7.6.0 3.10.9.0.0 3.10.10.6.0
7.10.0 ¼ ½ ¾	2.1.5.6.0 2.1.6.3.9 2.1.7.1.6 2.1.7.11.3	2.3.5.0.0 2.3.5.10.6 2.3.6.9.0 2.3.7.7.6	2.5.4.6.0 2.5.5.5.3 2.5.6.4.6 2.5.7.3.9	2.7.4.0.0 2.7.5.0.0 2.7.6.0.0 2.7.7.0.0	2.9.3.6.0 2.9.4.6.9 2.9.5.7.6 2.9.6.8.3	2.11.3.0.0 2.11.4.1.6 2.11.5.3.0 2.11.6.4.6	3.1.2.6.0 3.1.3.8.3 3.1.4.10.6 3.1.6.0.9	3.3.2.0.0 3.3.3.3.0 3.3.4.6.0 3.3.5.9.0	3.5.1.6.0 3.5.2.9.9 3.5.4.1.6 3.5.5.5.3	3.7.1.0.0 3.7.2.4.6 3.7.3.9.0 3.7.5.1.6	3.9.0.6.0 3.9.1.11.3 3.9.3.4.6 3.9.4.9.9	3.11.0.0.0 3.11.1.6.0 3.11.3.0.0 3.11.4.6.0
7.11.0 ¼ ½ ¾	2.1.8.9.0 2.1.9.6.9 2.1.10.4.6 2.1.11.2.3	2.3.8.6.0 2.3.9.4.6 2.3.10.3.0 2.3.11.1.6	2.5.8.3.0 2.5.9.2.3 2.5.10.1.6 2.5.11.0.9	2.7.8.0.0 2.7.9.0.0 2.7.10.0.0 2.7.11.0.0	2.9.7.9.0 2.9.8.9.9 2.9.9.10.6 2.9.10.11.3	2.11.7.6.0 2.11.8.7.6 2.11.9.9.0 2.11.10.10.6	3.1.7.3.0 3.1.8.5.3 3.1.9.7.6 3.1.10.9.9	3.3.7.0.0 3.3.8.3.0 3.3.9.6.0 3.3.10.9.0	3.5.6.9.0 3.5.8.0.9 3.5.9.4.6 3.5.10.8.3	3.7.6.6.0 3.7.7.10.6 3.7.9.3.0 3.7.10.7.6	3.9.6.3.0 3.9.7.8.3 3.9.9.1.6 3.9.10.6.9	3.11.6.0.0 3.11.7.6.0 3.11.9.0.0 3.11.10.6.0
8.0.0 ¼ ½ ¾	2.2.0.0.0 2.2.0.9.9 2.2.1.7.6 2.2.2.5.3	2.4.0.0.0 2.4.0.10.6 2.4.1.9.0 2.4.2.7.6	2.6.0.0.0 2.6.0.11.3 2.6.1.10.6 2.6.2.9.9	2.8.0.0.0 2.8.1.0.0 2.8.2.0.0 2.8.3.0.0	2.10.0.0.0 2.10.1.0.9 2.10.2.1.6 2.10.3.2.3	3.0.0.0.0 3.0.1.1.6 3.0.2.3.0 3.0.3.4.6	3.2.0.0.0 3.2.1.2.3 3.2.2.4.6 3.2.3.6.9	3.4.0.0.0 3.4.1.3.0 3.4.2.6.0 3.4.3.9.0	3.6.0.0.0 3.6.1.3.9 3.6.2.7.6 3.6.3.11.3	3.8.0.0.0 3.8.1.4.6 3.8.2.9.0 3.8.4.1.6	3.10.0.0.0 3.10.1.5.3 3.10.2.10.6 3.10.4.3.9	4.0.0.0.0 4.0.1.6.0 4.0.3.0.0 4.0.4.6.0
8.1.0 ¼ ½ ¾	2.2.3.3.0 2.2.4.0.9 2.2.4.10.6 2.2.5.8.3	2.4.3.6.0 2.4.4.4.6 2.4.5.3.0 2.4.6.1.6	2.6.3.9.0 2.6.4.8.3 2.6.5.7.6 2.6.6.6.9	2.8.4.0.0 2.8.5.0.0 2.8.6.0.0 2.8.7.0.0	2.10.4.3.0 2.10.5.3.9 2.10.6.4.6 2.10.7.5.3	3.0.4.6.0 3.0.5.7.6 3.0.6.9.0 3.0.7.10.6	3.2.4.9.0 3.2.5.11.3 3.2.7.1.6 3.2.8.3.9	3.4.5.0.0 3.4.6.3.0 3.4.7.6.0 3.4.8.9.0	3.6.5.3.0 3.6.6.6.9 3.6.7.10.6 3.6.9.2.3	3.8.5.6.0 3.8.6.10.6 3.8.8.3.0 3.8.9.7.6	3.10.5.9.0 3.10.7.2.3 3.10.8.7.6 3.10.10.0.9	4.0.6.0.0 4.0.7.6.0 4.0.9.0.0 4.0.10.6.0
8.2.0 ¼ ½ ¾	2.2.6.6.0 2.2.7.3.9 2.2.8.1.6 2.2.8.11.3	2.4.7.0.0 2.4.7.10.6 2.4.8.9.0 2.4.9.7.6	2.6.7.6.0 2.6.8.5.3 2.6.9.4.6 2.6.10.3.9	2.8.8.0.0 2.8.9.0.0 2.8.10.0.0 2.8.11.0.0	2.10.8.6.0 2.10.9.6.9 2.10.10.7.6 2.10.11.8.3	3.0.9.0.0 3.0.10.1.6 3.0.11.3.0 3.1.0.4.6	3.2.9.6.0 3.2.10.8.3 3.2.11.10.6 3.3.1.0.9	3.4.10.0.0 3.4.11.3.0 3.5.0.6.0 3.5.1.9.0	3.6.10.6.0 3.6.11.9.9 3.7.1.1.6 3.7.2.5.3	3.8.11.0.0 3.9.0.4.6 3.9.1.9.0 3.9.3.1.6	3.10.11.6.0 3.11.0.11.3 3.11.2.4.6 3.11.3.9.9	4.1.0.0.0 4.1.1.6.0 4.1.3.0.0 4.1.4.6.0
8.3.0 ¼ ½ ¾	2.2.9.9.0 2.2.10.6.9 2.2.11.4.6 2.3.0.2.3	2.4.10.6.0 2.4.11.4.6 2.5.0.3.0 2.5.1.1.6	2.6.11.3.0 2.7.0.2.3 2.7.1.1.6 2.7.2.0.9	2.9.0.0.0 2.9.1.0.0 2.9.2.0.0 2.9.3.0.0	2.11.0.9.0 2.11.1.9.9 2.11.2.10.6 2.11.3.11.3	3.1.1.6.0 3.1.2.7.6 3.1.3.9.0 3.1.4.10.6	3.3.2.3.0 3.3.3.5.3 3.3.4.7.6 3.3.5.9.9	3.5.3.0.0 3.5.4.3.0 3.5.5.6.0 3.5.6.9.0	3.7.3.9.0 3.7.5.0.9 3.7.6.4.6 3.7.7.8.3	3.9.4.6.0 3.9.5.10.6 3.9.7.3.0 3.9.8.7.6	3.11.5.3.0 3.11.6.8.3 3.11.8.1.6 3.11.9.6.9	4.1.6.0.0 4.1.7.6.0 4.1.9.0.0 4.1.10.6.0
8.4.0 ¼ ½ ¾	2.3.1.0.0 2.3.1.9.9 2.3.2.7.6 2.3.3.5.3	2.5.2.0.0 2.5.2.10.6 2.5.3.9.0 2.5.4.7.6	2.7.3.0.0 2.7.3.11.3 2.7.4.10.6 2.7.5.9.9	2.9.4.0.0 2.9.5.0.0 2.9.6.0.0 2.9.7.0.0	2.11.5.0.0 2.11.6.0.9 2.11.7.1.6 2.11.8.2.3	3.1.6.0.0 3.1.7.1.6 3.1.8.3.0 3.1.9.4.6	3.3.7.0.0 3.3.8.2.3 3.3.9.4.6 3.3.10.6.9	3.5.8.0.0 3.5.9.3.0 3.5.10.6.0 3.5.11.9.0	3.7.9.0.0 3.7.10.3.9 3.7.11.7.6 3.8.0.11.3	3.9.10.0.0 3.9.11.4.6 3.10.0.9.0 3.10.2.1.6	3.11.11.0.0 4.0.0.5.3 4.0.1.10.6 4.0.3.3.9	4.2.0.0.0 4.2.1.6.0 4.2.3.0.0 4.2.4.6.0
8.5.0 ¼ ½ ¾	2.3.4.3.0 2.3.5.0.9 2.3.5.10.6 2.3.6.8.3	2.5.5.6.0 2.5.6.4.6 2.5.7.3.0 2.5.8.1.6	2.7.6.9.0 2.7.7.8.3 2.7.8.7.6 2.7.9.6.9	2.9.8.0.0 2.9.9.0.0 2.9.10.0.0 2.9.11.0.0	2.11.9.3.0 2.11.10.3.9 2.11.11.4.6 3.0.0.5.3	3.1.10.6.0 3.1.11.7.6 3.2.0.9.0 3.2.1.10.6	3.3.11.9.0 3.4.0.11.3 3.4.2.1.6 3.4.3.3.9	3.6.1.0.0 3.6.2.3.0 3.6.3.6.0 3.6.4.9.0	3.8.2.3.0 3.8.3.6.9 3.8.4.10.6 3.8.6.2.3	3.10.3.6.0 3.10.4.10.6 3.10.6.3.0 3.10.7.7.6	4.0.4.9.0 4.0.6.2.3 4.0.7.7.6 4.0.9.0.9	4.2.6.0.0 4.2.7.6.0 4.2.9.0.0 4.2.10.6.0
8.6.0 ¼ ½ ¾	2.3.7.6.0 2.3.8.3.9 2.3.9.1.6 2.3.9.11.3	2.5.9.0.0 2.5.9.10.6 2.5.10.9.0 2.5.11.7.6	2.7.10.6.0 2.7.11.5.3 2.8.0.4.6 2.8.1.3.9	2.10.0.0.0 2.10.1.0.0 2.10.2.0.0 2.10.3.0.0	3.0.1.6.0 3.0.2.6.9 3.0.3.7.6 3.0.4.8.3	3.2.3.0.0 3.2.4.1.6 3.2.5.3.0 3.2.6.4.6	3.4.4.6.0 3.4.5.8.3 3.4.6.10.6 3.4.8.0.9	3.6.6.0.0 3.6.7.3.0 3.6.8.6.0 3.6.9.9.0	3.8.7.6.0 3.8.8.9.9 3.8.10.1.6 3.8.11.5.3	3.10.9.0.0 3.10.10.4.6 3.10.11.9.0 3.11.1.1.6	4.0.10.6.0 4.0.11.11.3 4.1.1.4.6 4.1.2.9.9	4.3.0.0.0 4.3.1.6.0 4.3.3.0.0 4.3.4.6.0
8.7.0 ¼ ½ ¾	2.3.10.9.0 2.3.11.6.9 2.4.0.4.6 2.4.1.2.3	2.6.0.6.0 2.6.1.4.6 2.6.2.3.0 2.6.3.1.6	2.8.2.3.0 2.8.3.2.3 2.8.4.1.6 2.8.5.0.9	2.10.4.0.0 2.10.5.0.0 2.10.6.0.0 2.10.7.0.0	3.0.5.9.0 3.0.6.9.9 3.0.7.10.6 3.0.8.11.3	3.2.7.6.0 3.2.8.7.6 3.2.9.9.0 3.2.10.10.6	3.4.9.3.0 3.4.10.5.3 3.4.11.7.6 3.5.0.9.9	3.6.11.0.0 3.7.0.3.0 3.7.1.6.0 3.7.2.9.0	3.9.0.9.0 3.9.2.0.9 3.9.3.4.6 3.9.4.8.3	3.11.2.6.0 3.11.3.10.6 3.11.5.3.0 3.11.6.7.6	4.1.4.3.0 4.1.5.8.3 4.1.7.1.6 4.1.8.6.9	4.3.6.0.0 4.3.7.6.0 4.3.9.0.0 4.3.10.6.0
8.8.0 ¼ ½ ¾	2.4.2.0.0 2.4.2.9.9 2.4.3.7.6 2.4.4.5.3	2.6.4.0.0 2.6.4.10.6 2.6.5.9.0 2.6.6.7.6	2.8.6.0.0 2.8.6.11.3 2.8.7.10.6 2.8.8.9.9	2.10.8.0.0 2.10.9.0.0 2.10.10.0.0 2.10.11.0.0	3.0.10.0.0 3.0.11.0.9 3.1.0.1.6 3.1.1.2.3	3.3.0.0.0 3.3.1.1.6 3.3.2.3.0 3.3.3.4.6	3.5.2.0.0 3.5.3.2.3 3.5.4.4.6 3.5.5.6.9	3.7.4.0.0 3.7.5.3.0 3.7.6.6.0 3.7.7.9.0	3.9.6.0.0 3.9.7.3.9 3.9.8.7.6 3.9.9.11.3	3.11.8.0.0 3.11.9.4.6 3.11.10.9.0 4.0.0.1.6	4.1.10.0.0 4.1.11.5.3 4.2.0.10.6 4.2.2.3.9	4.4.0.0.0 4.4.1.6.0 4.4.3.0.0 4.4.4.6.0
8.9.0 ¼ ½ ¾	2.4.5.3.0 2.4.6.0.9 2.4.6.10.6 2.4.7.8.3	2.6.7.6.0 2.6.8.4.6 2.6.9.3.0 2.6.10.1.6	2.8.9.9.0 2.8.10.8.3 2.8.11.7.6 2.9.0.6.9	2.11.0.0.0 2.11.1.0.0 2.11.2.0.0 2.11.3.0.0	3.1.2.3.0 3.1.3.3.9 3.1.4.4.6 3.1.5.5.3	3.3.4.6.0 3.3.5.7.6 3.3.6.9.0 3.3.7.10.6	3.5.6.9.0 3.5.7.11.3 3.5.9.1.6 3.5.10.3.9	3.7.9.0.0 3.7.10.3.0 3.7.11.6.0 3.8.0.9.0	3.9.11.3.0 3.10.0.6.9 3.10.1.10.6 3.10.3.2.3	4.0.1.6.0 4.0.2.10.6 4.0.4.3.0 4.0.5.7.6	4.2.3.9.0 4.2.5.2.3 4.2.6.7.6 4.2.8.0.9	4.4.6.0.0 4.4.7.6.0 4.4.9.0.0 4.4.10.6.0
8.10.0 ¼ ½ ¾	2.4.8.6.0 2.4.9.3.9 2.4.10.1.6 2.4.10.11.3	2.6.11.0.0 2.6.11.10.6 2.7.0.9.0 2.7.1.7.6	2.9.1.6.0 2.9.2.5.3 2.9.3.4.6 2.9.4.3.9	2.11.4.0.0 2.11.5.0.0 2.11.6.0.0 2.11.7.0.0	3.1.6.6.0 3.1.7.6.9 3.1.8.7.6 3.1.9.8.3	3.3.9.0.0 3.3.10.1.6 3.3.11.3.0 3.4.0.4.6	3.5.11.6.0 3.6.0.8.3 3.6.1.10.6 3.6.3.0.9	3.8.2.0.0 3.8.3.3.0 3.8.4.6.0 3.8.5.9.0	3.10.4.6.0 3.10.5.9.9 3.10.7.1.6 3.10.8.5.3	4.0.7.0.0 4.0.8.4.6 4.0.9.9.0 4.0.11.1.6	4.2.9.6.0 4.2.10.11.3 4.3.0.4.6 4.3.1.9.9	4.5.0.0.0 4.5.1.6.0 4.5.3.0.0 4.5.4.6.0
8.11.0 ¼ ½ ¾	2.4.11.9.0 2.5.0.6.9 2.5.1.4.6 2.5.2.2.3	2.7.2.6.0 2.7.3.4.6 2.7.4.3.0 2.7.5.1.6	2.9.5.3.0 2.9.6.2.3 2.9.7.1.6 2.9.8.0.9	2.11.8.0.0 2.11.9.0.0 2.11.10.0.0 2.11.11.0.0	3.1.10.9.0 3.1.11.9.9 3.2.0.10.6 3.2.1.11.3	3.4.1.6.0 3.4.2.7.6 3.4.3.9.0 3.4.4.10.6	3.6.4.3.0 3.6.5.5.3 3.6.6.7.6 3.6.7.9.9	3.8.7.0.0 3.8.8.3.0 3.8.9.6.0 3.8.10.9.0	3.10.9.9.0 3.10.11.0.9 3.11.0.4.6 3.11.1.8.3	4.1.0.6.0 4.1.1.10.6 4.1.3.3.0 4.1.4.7.6	4.3.3.3.0 4.3.4.8.3 4.3.6.1.6 4.3.7.6.9	4.5.6.0.0 4.5.7.6.0 4.5.9.0.0 4.5.10.6.0
9.0.0 ¼ ½ ¾	2.5.3.0.0 2.5.3.9.9 2.5.4.7.6 2.5.5.5.3	2.7.6.0.0 2.7.6.10.6 2.7.7.9.0 2.7.8.7.6	2.9.9.0.0 2.9.9.11.3 2.9.10.10.6 2.9.11.9.9	3.0.0.0.0 3.0.1.0.0 3.0.2.0.0 3.0.3.0.0	3.2.3.0.0 3.2.4.0.9 3.2.5.1.6 3.2.6.2.3	3.4.6.0.0 3.4.7.1.6 3.4.8.3.0 3.4.9.4.6	3.6.9.0.0 3.6.10.2.3 3.6.11.4.6 3.7.0.6.9	3.9.0.0.0 3.9.1.3.0 3.9.2.6.0 3.9.3.9.0	3.11.3.0.0 3.11.4.3.9 3.11.5.7.6 3.11.6.11.3	4.1.6.0.0 4.1.7.4.6 4.1.8.9.0 4.1.10.1.6	4.3.9.0.0 4.3.10.5.3 4.3.11.10.6 4.4.1.3.9	4.6.0.0.0 4.6.1.6.0 4.6.3.0.0 4.6.4.6.0
9.1.0 ¼ ½ ¾	2.5.6.3.0 2.5.7.0.9 2.5.7.10.6 2.5.8.8.3	2.7.9.6.0 2.7.10.4.6 2.7.11.3.0 2.8.0.1.6	2.10.0.9.0 2.10.1.8.3 2.10.2.7.6 2.10.3.6.9	3.0.4.0.0 3.0.5.0.0 3.0.6.0.0 3.0.7.0.0	3.2.7.3.0 3.2.8.3.9 3.2.9.4.6 3.2.10.5.3	3.4.10.6.0 3.4.11.7.6 3.5.0.9.0 3.5.1.10.6	3.7.1.9.0 3.7.2.11.3 3.7.4.1.6 3.7.5.3.9	3.9.5.0.0 3.9.6.3.0 3.9.7.6.0 3.9.8.9.0	3.11.8.3.0 3.11.9.6.9 3.11.10.10.6 4.0.0.2.3	4.1.11.6.0 4.2.0.10.6 4.2.2.3.0 4.2.3.7.6	4.4.2.9.0 4.4.4.2.3 4.4.5.7.6 4.4.7.0.9	4.6.6.0.0 4.6.7.6.0 4.6.9.0.0 4.6.10.6.0
9.2.0 ¼ ½ ¾	2.5.9.6.0 2.5.10.3.9 2.5.11.1.6 2.5.11.11.3	2.8.1.0.0 2.8.1.10.6 2.8.2.9.0 2.8.3.7.6	2.10.4.6.0 2.10.5.5.3 2.10.6.4.6 2.10.7.3.9	3.0.8.0.0 3.0.9.0.0 3.0.10.0.0 3.0.11.0.0	3.2.11.6.0 3.3.0.6.9 3.3.1.7.6 3.3.2.8.3	3.5.3.0.0 3.5.4.1.6 3.5.5.3.0 3.5.6.4.6	3.7.6.6.0 3.7.7.8.3 3.7.8.10.6 3.7.10.0.9	3.9.10.0.0 3.9.11.3.0 3.10.0.6.0 3.10.1.9.0	4.0.1.6.0 4.0.2.9.9 4.0.4.1.6 4.0.5.5.3	4.2.5.0.0 4.2.6.4.6 4.2.7.9.0 4.2.9.1.6	4.4.8.6.0 4.4.9.11.3 4.4.11.4.6 4.5.0.9.9	4.7.0.0.0 4.7.1.6.0 4.7.3.0.0 4.7.4.6.0
9.3.0 ¼ ½ ¾	2.6.0.9.0 2.6.1.6.9 2.6.2.4.6 2.6.3.2.3	2.8.4.6.0 2.8.5.4.6 2.8.6.3.0 2.8.7.1.6	2.10.8.3.0 2.10.9.2.3 2.10.10.1.6 2.10.11.0.9	3.1.0.0.0 3.1.1.0.0 3.1.2.0.0 3.1.3.0.0	3.3.3.9.0 3.3.4.9.9 3.3.5.10.6 3.3.6.11.3	3.5.7.6.0 3.5.8.7.6 3.5.9.9.0 3.5.10.10.6	3.7.11.3.0 3.8.0.5.3 3.8.1.7.6 3.8.2.9.9	3.10.3.0.0 3.10.4.3.0 3.10.5.6.0 3.10.6.9.0	4.0.6.9.0 4.0.8.0.9 4.0.9.4.6 4.0.10.8.3	4.2.10.6.0 4.2.11.10.6 4.3.1.3.0 4.3.2.7.6	4.5.2.3.0 4.5.3.8.3 4.5.5.1.6 4.5.6.6.9	4.7.6.0.0 4.7.7.6.0 4.7.9.0.0 4.7.10.6.0
9.4.0 ¼ ½ ¾	2.6.4.0.0 2.6.4.9.9 2.6.5.7.6 2.6.6.5.3	2.8.8.0.0 2.8.8.10.6 2.8.9.9.0 2.8.10.7.6	2.11.0.0.0 2.11.0.11.3 2.11.1.10.6 2.11.2.9.9	3.1.4.0.0 3.1.5.0.0 3.1.6.0.0 3.1.7.0.0	3.3.8.0.0 3.3.9.0.9 3.3.10.1.6 3.3.11.2.3	3.6.0.0.0 3.6.1.1.6 3.6.2.3.0 3.6.3.4.6	3.8.4.0.0 3.8.5.2.3 3.8.6.4.6 3.8.7.6.9	3.10.8.0.0 3.10.9.3.0 3.10.10.6.0 3.10.11.9.0	4.1.0.0.0 4.1.1.3.9 4.1.2.7.6 4.1.3.11.3	4.3.4.0.0 4.3.5.4.6 4.3.6.9.0 4.3.8.1.6	4.5.8.0.0 4.5.9.5.3 4.5.10.10.6 4.6.0.3.9	4.8.0.0.0 4.8.1.6.0 4.8.3.0.0 4.8.4.6.0
9.5.0 ¼ ½ ¾	2.6.7.3.0 2.6.8.0.9 2.6.8.10.6 2.6.9.8.3	2.8.11.6.0 2.9.0.4.6 2.9.1.3.0 2.9.2.1.6	2.11.3.9.0 2.11.4.8.3 2.11.5.7.6 2.11.6.6.9	3.1.8.0.0 3.1.9.0.0 3.1.10.0.0 3.1.11.0.0	3.4.0.3.0 3.4.1.3.9 3.4.2.4.6 3.4.3.5.3	3.6.4.6.0 3.6.5.7.6 3.6.6.9.0 3.6.7.10.6	3.8.8.9.0 3.8.9.11.3 3.8.11.1.6 3.9.0.3.9	3.11.1.0.0 3.11.2.3.0 3.11.3.6.0 3.11.4.9.0	4.1.5.3.0 4.1.6.6.9 4.1.7.10.6 4.1.9.2.3	4.3.9.6.0 4.3.10.10.6 4.4.0.3.0 4.4.1.7.6	4.6.1.9.0 4.6.3.2.3 4.6.4.7.6 4.6.6.0.9	4.8.6.0.0 4.8.7.6.0 4.8.9.0.0 4.8.10.6.0
9.6.0 ¼ ½ ¾	2.6.10.6.0 2.6.11.3.9 2.7.0.1.6 2.7.0.11.3	2.9.3.0.0 2.9.3.10.6 2.9.4.9.0 2.9.5.7.6	2.11.7.6.0 2.11.8.5.3 2.11.9.4.6 2.11.10.3.9	3.2.0.0.0 3.2.1.0.0 3.2.2.0.0 3.2.3.0.0	3.4.4.6.0 3.4.5.6.9 3.4.6.7.6 3.4.7.8.3	3.6.9.0.0 3.6.10.1.6 3.6.11.3.0 3.7.0.4.6	3.9.1.6.0 3.9.2.8.3 3.9.3.10.6 3.9.5.0.9	3.11.6.0.0 3.11.7.3.0 3.11.8.6.0 3.11.9.9.0	4.1.10.6.0 4.1.11.9.9 4.2.1.1.6 4.2.2.5.3	4.4.3.0.0 4.4.4.4.6 4.4.5.9.0 4.4.7.1.6	4.6.7.6.0 4.6.8.11.3 4.6.10.4.6 4.6.11.9.9	4.9.0.0.0 4.9.1.6.0 4.9.3.0.0 4.9.4.6.0
9.7.0 ¼ ½ ¾	2.7.1.9.0 2.7.2.6.9 2.7.3.4.6 2.7.4.2.3	2.9.6.6.0 2.9.7.4.6 2.9.8.3.0 2.9.9.1.6	2.11.11.3.0 3.0.0.2.3 3.0.1.1.6 3.0.2.0.9	3.2.4.0.0 3.2.5.0.0 3.2.6.0.0 3.2.7.0.0	3.4.8.9.0 3.4.9.9.9 3.4.10.10.6 3.4.11.11.3	3.7.1.6.0 3.7.2.7.6 3.7.3.9.0 3.7.4.10.6	3.9.6.3.0 3.9.7.5.3 3.9.8.7.6 3.9.9.9.9	3.11.11.0.0 4.0.0.3.0 4.0.1.6.0 4.0.2.9.0	4.2.3.9.0 4.2.5.0.9 4.2.6.4.6 4.2.7.8.3	4.4.8.6.0 4.4.9.10.6 4.4.11.3.0 4.5.0.7.6	4.7.1.3.0 4.7.2.8.3 4.7.4.1.6 4.7.5.6.9	4.9.6.0.0 4.9.7.6.0 4.9.9.0.0 4.9.10.6.0
9.8.0 ¼ ½ ¾	2.7.5.0.0 2.7.5.9.9 2.7.6.7.6 2.7.7.5.3	2.9.10.0.0 2.9.10.10.6 2.9.11.9.0 2.10.0.7.6	3.0.3.0.0 3.0.3.11.3 3.0.4.10.6 3.0.5.9.9	3.2.8.0.0 3.2.9.0.0 3.2.10.0.0 3.2.11.0.0	3.5.1.0.0 3.5.2.0.9 3.5.3.1.6 3.5.4.2.3	3.7.6.0.0 3.7.7.1.6 3.7.8.3.0 3.7.9.4.6	3.9.11.0.0 3.10.0.2.3 3.10.1.4.6 3.10.2.6.9	4.0.4.0.0 4.0.5.3.0 4.0.6.6.0 4.0.7.9.0	4.2.9.0.0 4.2.10.3.9 4.2.11.7.6 4.3.0.11.3	4.5.2.0.0 4.5.3.4.6 4.5.4.9.0 4.5.6.1.6	4.7.7.0.0 4.7.8.5.3 4.7.9.10.6 4.7.11.3.9	4.10.0.0.0 4.10.1.6.0 4.10.3.0.0 4.10.4.6.0
9.9.0 ¼ ½ ¾	2.7.8.3.0 2.7.9.0.9 2.7.9.10.6 2.7.10.8.3	2.10.1.6.0 2.10.2.4.6 2.10.3.3.0 2.10.4.1.6	3.0.6.9.0 3.0.7.8.3 3.0.8.7.6 3.0.9.6.9	3.3.0.0.0 3.3.1.0.0 3.3.2.0.0 3.3.3.0.0	3.5.5.3.0 3.5.6.3.9 3.5.7.4.6 3.5.8.5.3	3.7.10.6.0 3.7.11.7.6 3.8.0.9.0 3.8.1.10.6	3.10.3.9.0 3.10.4.11.3 3.10.6.1.6 3.10.7.3.9	4.0.9.0.0 4.0.10.3.0 4.0.11.6.0 4.1.0.9.0	4.3.2.3.0 4.3.3.6.9 4.3.4.10.6 4.3.6.2.3	4.5.7.6.0 4.5.8.10.6 4.5.10.3.0 4.5.11.7.6	4.8.0.9.0 4.8.2.2.3 4.8.3.7.6 4.8.5.0.9	4.10.6.0.0 4.10.7.6.0 4.10.9.0.0 4.10.10.6.0
9.10.0 ¼ ½ ¾	2.7.11.6.0 2.8.0.3.9 2.8.1.1.6 2.8.1.11.3	2.10.5.0.0 2.10.5.10.6 2.10.6.9.0 2.10.7.7.6	3.0.10.6.0 3.0.11.5.3 3.1.0.4.6 3.1.1.3.9	3.3.4.0.0 3.3.5.0.0 3.3.6.0.0 3.3.7.0.0	3.5.9.6.0 3.5.10.6.9 3.5.11.7.6 3.6.0.8.3	3.8.3.0.0 3.8.4.1.6 3.8.5.3.0 3.8.6.4.6	3.10.8.6.0 3.10.9.8.3 3.10.10.10.6 3.11.0.0.9	4.1.2.0.0 4.1.3.3.0 4.1.4.6.0 4.1.5.9.0	4.3.7.6.0 4.3.8.9.9 4.3.10.1.6 4.3.11.5.3	4.6.1.0.0 4.6.2.4.6 4.6.3.9.0 4.6.5.1.6	4.8.6.6.0 4.8.7.11.3 4.8.9.4.6 4.8.10.9.9	4.11.0.0.0 4.11.1.6.0 4.11.3.0.0 4.11.4.6.0
9.11.0 ¼ ½ ¾	2.8.2.9.0 2.8.3.6.9 2.8.4.4.6 2.8.5.2.3	2.10.8.6.0 2.10.9.4.6 2.10.10.3.0 2.10.11.1.6	3.1.2.3.0 3.1.3.2.3 3.1.4.1.6 3.1.5.0.9	3.3.8.0.0 3.3.9.0.0 3.3.10.0.0 3.3.11.0.0	3.6.1.9.0 3.6.2.9.9 3.6.3.10.6 3.6.4.11.3	3.8.7.6.0 3.8.8.7.6 3.8.9.9.0 3.8.10.10.6	3.11.1.3.0 3.11.2.5.3 3.11.3.7.6 3.11.4.9.9	4.1.7.0.0 4.1.8.3.0 4.1.9.6.0 4.1.10.9.0	4.4.0.9.0 4.4.2.0.9 4.4.3.4.6 4.4.4.8.3	4.6.6.6.0 4.6.7.10.6 4.6.9.3.0 4.6.10.7.6	4.9.0.3.0 4.9.1.8.3 4.9.3.1.6 4.9.4.6.9	4.11.6.0.0 4.11.7.6.0 4.11.9.0.0 4.11.10.6.0
10.0.0 ¼ ½ ¾	2.8.6.0.0 2.8.6.9.9 2.8.7.7.6 2.8.8.5.3	2.11.0.0.0 2.11.0.10.6 2.11.1.9.0 2.11.2.7.6	3.1.6.0.0 3.1.6.11.3 3.1.7.10.6 3.1.8.9.9	3.4.0.0.0 3.4.1.0.0 3.4.2.0.0 3.4.3.0.0	3.6.6.0.0 3.6.7.0.9 3.6.8.1.6 3.6.9.2.3	3.9.0.0.0 3.9.1.1.6 3.9.2.3.0 3.9.3.4.6	3.11.6.0.0 3.11.7.2.3 3.11.8.4.6 3.11.9.6.9	4.2.0.0.0 4.2.1.3.0 4.2.2.6.0 4.2.3.9.0	4.4.6.0.0 4.4.7.3.9 4.4.8.7.6 4.4.9.11.3	4.7.0.0.0 4.7.1.4.6 4.7.2.9.0 4.7.4.1.6	4.9.6.0.0 4.9.7.5.3 4.9.8.10.6 4.9.10.3.9	5.0.0.0.0 5.0.1.6.0 5.0.3.0.0 5.0.4.6.0
10.1.0 ¼ ½ ¾	2.8.9.3.0 2.8.10.0.9 2.8.10.10.6 2.8.11.8.3	2.11.3.6.0 2.11.4.4.6 2.11.5.3.0 2.11.6.1.6	3.1.9.9.0 3.1.10.8.3 3.1.11.7.6 3.2.0.6.9	3.4.4.0.0 3.4.5.0.0 3.4.6.0.0 3.4.7.0.0	3.6.10.3.0 3.6.11.3.9 3.7.0.4.6 3.7.1.5.3	3.9.4.6.0 3.9.5.7.6 3.9.6.9.0 3.9.7.10.6	3.11.10.9.0 3.11.11.11.3 4.0.1.1.6 4.0.2.3.9	4.2.5.0.0 4.2.6.3.0 4.2.7.6.0 4.2.8.9.0	4.4.11.3.0 4.5.0.6.9 4.5.1.10.6 4.5.3.2.3	4.7.5.6.0 4.7.6.10.6 4.7.8.3.0 4.7.9.7.6	4.9.11.9.0 4.10.1.2.3 4.10.2.7.6 4.10.4.0.9	5.0.6.0.0 5.0.7.6.0 5.0.9.0.0 5.0.10.6.0
10.2.0 ¼ ½ ¾	2.9.0.6.0 2.9.1.3.9 2.9.2.1.6 2.9.2.11.3	2.11.7.0.0 2.11.7.10.6 2.11.8.9.0 2.11.9.7.6	3.2.1.6.0 3.2.2.5.3 3.2.3.4.6 3.2.4.3.9	3.4.8.0.0 3.4.9.0.0 3.4.10.0.0 3.4.11.0.0	3.7.2.6.0 3.7.3.6.9 3.7.4.7.6 3.7.5.8.3	3.9.9.0.0 3.9.10.1.6 3.9.11.3.0 3.10.0.4.6	4.0.3.6.0 4.0.4.8.3 4.0.5.10.6 4.0.7.0.9	4.2.10.0.0 4.2.11.3.0 4.3.0.6.0 4.3.1.9.0	4.5.4.6.0 4.5.5.9.9 4.5.7.1.6 4.5.8.5.3	4.7.11.0.0 4.8.0.4.6 4.8.1.9.0 4.8.3.1.6	4.10.5.6.0 4.10.6.11.3 4.10.8.4.6 4.10.9.9.9	5.1.0.0.0 5.1.1.6.0 5.1.3.0.0 5.1.4.6.0

A TABLE OF FEET AND INCHES

from 10 foot 3 inches by 3 inches and 1 quarter, to 12 foot 5 inches and 3 quarters to 6 inches.

F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	0.3¼	0.3½	0.3¾	0.4.0	0.4¼	0.4½	0.4¾	0.5.0	0.5¼	0.5½	0.5¾	0.6.0
10.3.0	2.9.3.9.0	2.11.10.6.0	3.2.5.3.0	3.5.0.0.0	3.7.6.9.0	3.10.1.6.0	4.0.8.3.0	4.3.3.0.0	4.5.9.9.0	4.8.4.6.0	4.10.11.3.0	5.1.6.0.0
¼	2.9.4.6.9	2.11.11.4.6	3.2.6.2.3	3.5.1.0.0	3.7.7.9.9	3.10.2.7.6	4.0.9.5.3	4.3.4.3.0	4.5.11.0.9	4.8.5.10.6	4.11.0.8.3	5.1.7.6.0
½	2.9.5.4.6	3.0.0.3.0	3.2.7.1.6	3.5.2.0.0	3.7.8.10.6	3.10.3.9.0	4.0.10.7.6	4.3.5.6.0	4.6.0.4.6	4.8.7.3.0	4.11.2.1.6	5.1.9.0.0
¾	2.9.6.2.3	3.0.1.1.6	3.2.8.0.9	3.5.3.0.0	3.7.9.11.3	3.10.4.10.6	4.0.11.9.9	4.3.6.9.0	4.6.1.8.3	4.8.8.7.6	4.11.3.6.0	5.1.10.6.0
10.4.0	2.9.7.0.0	3.0.2.0.0	3.2.9.0.0	3.5.4.0.0	3.7.11.0.0	3.10.6.0.0	4.1.1.0.0	4.3.8.0.0	4.6.3.0.0	4.8.10.0.0	4.11.5.0.0	5.2.0.0.0
¼	2.9.7.9.9	3.0.2.10.6	3.2.9.11.3	3.5.5.0.0	3.8.0.0.9	3.10.7.1.6	4.1.2.2.3	4.3.9.3.0	4.6.4.3.0	4.8.11.4.6	4.11.6.5.3	5.2.1.6.0
½	2.9.8.7.6	3.0.3.9.0	3.2.10.10.6	3.5.6.0.0	3.8.1.1.6	3.10.8.3.0	4.1.3.4.6	4.3.10.6.0	4.6.5.7.6	4.9.0.9.0	4.11.7.10.6	5.2.3.0.0
¾	2.9.9.5.3	3.0.4.7.6	3.2.11.9.9	3.5.7.0.0	3.8.2.2.3	3.10.9.4.6	4.1.4.6.0	4.3.11.9.0	4.6.6.11.3	4.9.2.1.6	4.11.9.3.9	5.2.4.6.0
10.5.0	2.9.10.3.0	3.0.5.6.0	3.3.0.9.0	3.5.8.0.0	3.8.3.3.0	3.10.10.6.0	4.1.5.9.0	4.4.1.0.0	4.6.8.3.0	4.9.3.6.0	4.11.10.9.0	5.2.6.0.0
¼	2.9.11.0.9	3.0.6.4.6	3.3.1.8.3	3.5.9.0.0	3.8.4.3.9	3.10.11.7.6	4.1.6.11.3	4.4.2.3.0	4.6.9.6.9	4.9.4.10.6	5.0.0.2.3	5.2.7.6.0
½	2.9.11.10.6	3.0.7.3.0	3.3.2.7.6	3.5.10.0.0	3.8.5.4.6	3.11.0.9.0	4.1.8.1.6	4.4.3.6.0	4.6.10.10.6	4.9.6.3.0	5.0.1.7.6	5.2.9.0.0
¾	2.10.0.8.3	3.0.8.1.6	3.3.3.6.9	3.5.11.0.0	3.8.6.5.3	3.11.1.10.6	4.1.9.3.9	4.4.4.9.0	4.7.0.2.3	4.9.7.7.6	5.0.3.0.9	5.2.10.6.0
10.6.0	2.10.1.6.0	3.0.9.0.0	3.3.4.6.0	3.6.0.0.0	3.8.7.6.0	3.11.3.0.0	4.1.10.6.0	4.4.6.0.0	4.7.1.6.0	4.9.9.0.0	5.0.4.6.0	5.3.0.0.0
¼	2.10.2.3.9	3.0.9.10.6	3.3.5.5.3	3.6.1.0.0	3.8.8.6.9	3.11.4.1.6	4.1.11.8.3	4.4.7.3.0	4.7.2.9.9	4.9.10.4.6	5.0.5.11.3	5.3.1.6.0
½	2.10.3.1.6	3.0.10.9.0	3.3.6.4.6	3.6.2.0.0	3.8.9.7.6	3.11.5.3.0	4.2.0.10.6	4.4.8.6.0	4.7.4.1.6	4.9.11.9.0	5.0.7.4.6	5.3.3.0.0
¾	2.10.3.11.3	3.0.11.7.6	3.3.7.3.9	3.6.3.0.0	3.8.10.8.3	3.11.6.4.6	4.2.2.0.9	4.4.9.9.0	4.7.5.5.3	4.10.1.1.6	5.0.8.9.9	5.3.4.6.0
10.7.0	2.10.4.9.0	3.1.0.6.0	3.3.8.3.0	3.6.4.0.0	3.8.11.9.0	3.11.7.6.0	4.2.3.3.0	4.4.11.0.0	4.7.6.9.0	4.10.2.6.0	5.0.10.3.0	5.3.6.0.0
¼	2.10.5.6.9	3.1.1.4.6	3.3.9.2.3	3.6.5.0.0	3.9.0.0.9	3.11.8.7.6	4.2.4.5.3	4.5.0.3.0	4.7.8.0.9	4.10.3.10.6	5.0.11.8.3	5.3.7.6.0
½	2.10.6.4.6	3.1.2.3.0	3.3.10.1.6	3.6.6.0.0	3.9.1.10.6	3.11.9.9.0	4.2.5.7.6	4.5.1.6.0	4.7.9.4.6	4.10.5.3.0	5.1.1.1.6	5.3.9.0.0
¾	2.10.7.2.3	3.1.3.1.6	3.3.11.0.9	3.6.7.0.0	3.9.2.11.3	3.11.10.10.6	4.2.6.9.9	4.5.2.9.0	4.7.10.8.3	4.10.6.7.6	5.1.2.6.0	5.3.10.6.0
10.8.0	2.10.8.0.0	3.1.4.0.0	3.4.0.0.0	3.6.8.0.0	3.9.4.0.0	4.0.0.0.0	4.2.8.0.0	4.5.4.0.0	4.8.0.0.0	4.10.8.0.0	5.1.4.0.0	5.4.0.0.0
¼	2.10.8.9.9	3.1.4.10.6	3.4.0.11.3	3.6.9.0.0	3.9.5.0.9	4.0.1.1.6	4.2.9.2.3	4.5.5.3.0	4.8.1.3.0	4.10.9.4.6	5.1.5.5.3	5.4.1.6.0
½	2.10.9.7.6	3.1.5.9.0	3.4.1.10.6	3.6.10.0.0	3.9.6.1.6	4.0.2.3.0	4.2.10.4.6	4.5.6.6.0	4.8.2.7.0	4.10.10.9.0	5.1.6.10.6	5.4.3.0.0
¾	2.10.10.5.3	3.1.6.7.6	3.4.2.9.9	3.6.11.0.0	3.9.7.2.3	4.0.3.4.6	4.2.11.6.9	4.5.7.9.0	4.8.3.11.3	4.11.0.1.6	5.1.8.3.9	5.4.4.6.0
10.9.0	2.10.11.3.0	3.1.7.6.0	3.4.3.9.0	3.7.0.0.0	3.9.8.3.0	4.0.4.6.0	4.3.0.9.0	4.5.9.0.0	4.8.5.3.0	4.11.1.6.0	5.1.9.9.0	5.4.6.0.0
¼	2.11.0.0.9	3.1.8.4.6	3.4.4.8.3	3.7.1.0.0	3.9.9.3.9	4.0.5.7.6	4.3.1.11.3	4.5.10.3.0	4.8.6.6.9	4.11.2.10.6	5.1.11.2.3	5.4.7.6.0
½	2.11.0.10.6	3.1.9.3.0	3.4.5.7.6	3.7.2.0.0	3.9.10.4.6	4.0.6.9.0	4.3.3.1.6	4.5.11.6.0	4.8.7.10.6	4.11.4.3.0	5.2.0.7.6	5.4.9.0.0
¾	2.11.1.8.3	3.1.10.1.6	3.4.6.6.9	3.7.3.0.0	3.9.11.5.3	4.0.7.10.6	4.3.4.3.9	4.6.0.9.0	4.8.9.2.3	4.11.5.7.6	5.2.2.0.9	5.4.10.6.0
10.10.0	2.11.2.6.0	3.1.11.0.0	3.4.7.6.0	3.7.4.0.0	3.10.0.6.0	4.0.9.0.0	4.3.5.6.0	4.6.2.0.0	4.8.10.6.0	4.11.7.0.0	5.2.3.6.0	5.5.0.0.0
¼	2.11.3.3.9	3.1.11.10.6	3.4.8.5.3	3.7.5.0.0	3.10.1.6.9	4.0.10.1.6	4.3.6.8.3	4.6.3.3.0	4.8.11.0.9	4.11.8.4.6	5.2.4.11.3	5.5.1.6.0
½	2.11.4.1.6	3.2.0.9.0	3.4.9.4.6	3.7.6.0.0	3.10.2.7.6	4.0.11.3.0	4.3.7.10.6	4.6.4.6.0	4.9.1.1.6	4.11.9.9.0	5.2.6.4.6	5.5.3.0.0
¾	2.11.4.11.3	3.2.1.7.6	3.4.10.3.9	3.7.7.0.0	3.10.3.8.3	4.1.0.4.6	4.3.9.0.9	4.6.5.9.0	4.9.2.5.3	4.11.11.1.6	5.2.7.9.9	5.5.4.6.0
10.11.0	2.11.5.9.0	3.2.2.6.0	3.4.11.3.0	3.7.8.0.0	3.10.4.9.0	4.1.1.6.0	4.3.10.3.0	4.6.7.0.0	4.9.3.9.0	5.0.0.6.0	5.2.9.3.0	5.5.6.0.0
¼	2.11.6.6.9	3.2.3.4.6	3.5.0.2.3	3.7.9.0.0	3.10.5.9.9	4.1.2.7.6	4.3.11.5.3	4.6.8.3.0	4.9.5.0.9	5.0.1.10.6	5.2.10.8.3	5.5.7.6.0
½	2.11.7.4.6	3.2.4.3.0	3.5.1.1.6	3.7.10.0.0	3.10.6.10.6	4.1.3.9.0	4.4.0.7.6	4.6.9.6.0	4.9.6.4.6	5.0.3.3.0	5.3.0.1.6	5.5.9.0.0
¾	2.11.8.2.3	3.2.5.1.6	3.5.2.0.9	3.7.11.0.0	3.10.7.11.3	4.1.4.10.6	4.4.1.9.9	4.6.10.9.0	4.9.7.8.3	5.0.4.7.6	5.3.1.6.9	5.5.10.6.0
11.0.0	2.11.9.0.0	3.2.6.0.0	3.5.3.0.0	3.8.0.0.0	3.10.9.0.0	4.1.6.0.0	4.4.3.0.0	4.7.0.0.0	4.9.9.0.0	5.0.6.0.0	5.3.3.0.0	5.6.0.0.0
¼	2.11.9.9.9	3.2.6.10.6	3.5.3.11.3	3.8.1.0.0	3.10.10.0.9	4.1.7.1.6	4.4.4.2.3	4.7.1.3.0	4.9.10.3.9	5.0.7.4.6	5.3.4.5.3	5.6.1.6.0
½	2.11.10.7.6	3.2.7.9.0	3.5.4.10.6	3.8.2.0.0	3.10.11.1.6	4.1.8.3.0	4.4.5.4.6	4.7.2.6.0	4.9.11.7.6	5.0.8.9.0	5.3.5.10.6	5.6.3.0.0
¾	2.11.11.5.3	3.2.8.7.6	3.5.5.9.9	3.8.3.0.0	3.10.0.2.3	4.1.9.4.0	4.4.6.6.9	4.7.3.9.0	4.10.0.11.3	5.0.10.1.6	5.3.7.3.0	5.6.4.6.0
11.1.0	3.0.0.3.0	3.2.9.6.0	3.5.6.9.0	3.8.4.0.0	3.11.1.3.0	4.1.10.6.0	4.4.7.9.0	4.7.5.0.0	4.10.2.3.0	5.0.11.6.0	5.3.8.9.0	5.6.6.0.0
¼	3.0.1.0.9	3.2.10.4.6	3.5.7.8.3	3.8.5.0.0	3.11.2.3.9	4.1.11.7.6	4.4.8.11.3	4.7.6.3.0	4.10.3.6.9	5.1.0.10.6	5.3.10.2.3	5.6.7.6.0
½	3.0.1.10.6	3.2.11.3.0	3.5.8.7.6	3.8.6.0.0	3.11.3.4.6	4.2.0.9.0	4.4.10.1.6	4.7.7.6.0	4.10.4.10.6	5.1.2.3.0	5.3.11.7.6	5.6.9.0.0
¾	3.0.2.8.3	3.3.0.1.6	3.5.9.6.9	3.8.7.0.0	3.11.4.5.3	4.2.1.10.6	4.4.11.3.9	4.7.8.9.0	4.10.6.2.3	5.1.3.7.6	5.4.1.0.9	5.6.10.6.0
11.2.0	3.0.3.6.0	3.3.1.0.0	3.5.10.6.0	3.8.8.0.0	3.11.5.6.0	4.2.3.0.0	4.5.0.6.0	4.7.10.0.0	4.10.7.6.0	5.1.5.0.0	5.4.2.6.0	5.7.0.0.0
¼	3.0.4.3.9	3.3.1.10.6	3.5.11.5.3	3.8.9.0.0	3.11.6.6.9	4.2.4.1.0	4.5.1.8.3	4.7.11.3.0	4.10.8.9.9	5.1.6.4.6	5.4.3.11.3	5.7.1.6.0
½	3.0.5.1.6	3.3.2.9.0	3.6.0.4.6	3.8.10.0.0	3.11.7.7.6	4.2.5.3.0	4.5.2.10.6	4.8.0.6.0	4.10.10.1.6	5.1.7.9.0	5.4.5.4.6	5.7.3.0.0
¾	3.0.5.11.3	3.3.3.7.6	3.6.1.3.9	3.8.11.0.0	3.11.8.8.3	4.2.6.4.0	4.5.4.0.9	4.8.1.0.0	4.10.11.5.3	5.1.9.1.6	5.4.6.9.9	5.7.4.6.0
11.3.0	3.0.6.9.0	3.3.4.6.0	3.6.2.3.0	3.9.0.0.0	3.11.9.9.0	4.2.7.6.0	4.5.5.3.0	4.8.3.0.0	4.11.0.9.0	5.1.10.6.0	5.4.8.3.0	5.7.6.0.0
¼	3.0.7.6.9	3.3.5.4.6	3.6.3.2.3	3.9.1.0.0	3.11.10.9.9	4.2.8.7.6	4.5.6.5.3	4.8.4.3.0	4.11.2.0.9	5.1.11.10.6	5.4.9.8.3	5.7.7.6.0
½	3.0.8.4.6	3.3.6.3.0	3.6.4.1.6	3.9.2.0.0	3.11.11.10.6	4.2.9.9.0	4.5.7.7.6	4.8.5.6.0	4.11.3.4.6	5.2.1.3.0	5.4.11.1.6	5.7.9.0.0
¾	3.0.9.2.3	3.3.7.1.6	3.6.5.0.9	3.9.3.0.0	4.0.0.11.3	4.2.10.10.6	4.5.8.9.9	4.8.6.9.0	4.11.4.8.3	5.2.2.7.6	5.5.0.6.9	5.7.10.6.0
11.4.0	3.0.10.0.0	3.3.8.0.0	3.6.6.0.0	3.9.4.0.0	4.0.2.0.0	4.3.0.0.0	4.5.10.0.0	4.8.8.0.0	4.11.6.0.0	5.2.4.0.0	5.5.2.0.0	5.8.0.0.0
¼	3.0.10.9.9	3.3.8.10.6	3.6.6.11.3	3.9.5.0.0	4.0.3.0.9	4.3.1.1.6	4.5.11.2.3	4.8.9.3.0	4.11.7.3.9	5.2.5.4.6	5.5.3.5.3	5.8.1.6.0
½	3.0.11.7.6	3.3.9.9.0	3.6.7.10.6	3.9.6.0.0	4.0.4.1.6	4.3.2.3.0	4.6.0.4.6	4.8.10.6.0	4.11.8.7.6	5.2.6.9.0	5.5.4.10.6	5.8.3.0.0
¾	3.1.0.5.3	3.3.10.7.6	3.6.8.9.9	3.9.7.0.0	4.0.5.2.3	4.3.3.4.6	4.6.1.6.9	4.8.11.9.0	4.11.9.11.3	5.2.8.1.6	5.5.6.3.9	5.8.4.6.0
11.5.0	3.1.1.3.0	3.3.11.6.0	3.6.9.9.0	3.9.8.0.0	4.0.6.3.0	4.3.4.6.0	4.6.2.9.0	4.9.1.0.0	4.11.11.3.0	5.2.9.6.0	5.5.7.9.0	5.8.6.0.0
¼	3.1.2.0.9	3.4.0.4.6	3.6.10.8.3	3.9.9.0.0	4.0.7.3.9	4.3.5.7.6	4.6.3.11.3	4.9.2.3.0	5.0.0.6.9	5.2.10.10.6	5.5.9.2.3	5.8.7.6.0
½	3.1.2.10.6	3.4.1.3.0	3.6.11.7.6	3.9.10.0.0	4.0.8.4.6	4.3.6.9.0	4.6.5.1.6	4.9.3.6.0	5.0.1.10.6	5.3.0.3.0	5.5.10.7.6	5.8.9.0.0
¾	3.1.3.8.3	3.4.2.1.6	3.7.0.6.9	3.9.11.0.0	4.0.9.5.3	4.3.7.10.6	4.6.6.3.9	4.9.4.9.0	5.0.3.2.3	5.3.1.7.6	5.6.0.0.9	5.8.10.6.0
11.6.0	3.1.4.6.0	3.4.3.0.0	3.7.1.6.0	3.10.0.0.0	4.0.10.6.0	4.3.9.0.0	4.6.7.6.0	4.9.6.0.0	5.0.4.6.0	5.3.3.0.0	5.6.1.6.0	5.9.0.0.0
¼	3.1.5.3.9	3.4.3.10.6	3.7.2.5.3	3.10.1.0.0	4.0.11.6.9	4.3.10.1.6	4.6.8.8.3	4.9.7.3.0	5.0.5.9.9	5.3.4.4.6	5.6.2.11.3	5.9.1.6.0
½	3.1.6.1.6	3.4.4.9.0	3.7.3.4.6	3.10.2.0.0	4.1.0.7.6	4.3.11.3.0	4.6.9.10.6	4.9.8.6.0	5.0.7.1.6	5.3.5.9.0	5.6.4.4.0	5.9.3.0.0
¾	3.1.6.11.3	3.4.5.7.6	3.7.4.3.9	3.10.3.0.0	4.1.1.8.3	4.4.0.4.6	4.6.11.0.9	4.9.9.9.0	5.0.8.5.3	5.3.7.1.6	5.6.5.9.9	5.9.4.6.0
11.7.0	3.1.7.9.0	3.4.6.6.0	3.7.5.3.0	3.10.4.0.0	4.1.2.9.0	4.4.1.6.0	4.7.0.3.0	4.9.11.0.0	5.0.9.9.0	5.3.8.6.0	5.6.7.3.0	5.9.6.0.0
¼	3.1.8.6.9	3.4.7.4.6	3.7.6.2.3	3.10.5.0.0	4.1.3.9.9	4.4.2.7.6	4.7.1.5.3	4.10.0.3.0	5.0.11.0.9	5.3.9.10.6	5.6.8.8.3	5.9.7.6.0
½	3.1.9.4.6	3.4.8.3.0	3.7.7.1.6	3.10.6.0.0	4.1.4.10.6	4.4.3.9.0	4.7.2.7.6	4.10.1.6.0	5.1.0.4.6	5.3.11.3.0	5.6.10.1.6	5.9.9.0.0
¾	3.1.10.2.3	3.4.9.1.6	3.7.8.0.9	3.10.7.0.0	4.1.5.11.3	4.4.4.10.6	4.7.3.9.9	4.10.2.9.0	5.1.1.8.3	5.4.0.7.6	5.6.11.6.9	5.9.10.6.0
11.8.0	3.1.11.0.0	3.4.10.0.0	3.7.9.0.0	3.10.8.0.0	4.1.7.0.0	4.4.6.0.0	4.7.5.0.0	4.10.4.0.0	5.1.3.0.0	5.4.2.0.0	5.7.1.0.0	5.10.0.0.0
¼	3.1.11.9.9	3.4.10.10.6	3.7.9.11.3	3.10.9.0.0	4.1.8.0.9	4.4.7.1.6	4.7.6.2.3	4.10.5.3.0	5.1.4.3.9	5.4.3.4.6	5.7.2.5.3	5.10.1.6.0
½	3.2.0.7.6	3.4.11.9.0	3.7.10.10.6	3.10.10.0.0	4.1.9.1.6	4.4.8.3.0	4.7.7.4.6	4.10.6.6.0	5.1.5.7.6	5.4.4.9.0	5.7.3.10.6	5.10.3.0.0
¾	3.2.1.5.3	3.5.0.7.6	3.7.11.9.9	3.10.11.0.0	4.1.10.2.3	4.4.9.4.6	4.7.8.6.9	4.10.7.9.0	5.1.6.11.3	5.4.6.1.6	5.7.5.3.9	5.10.4.6.0
11.9.0	3.2.2.3.0	3.5.1.6.0	3.8.0.9.0	3.11.0.0.0	4.1.11.3.0	4.4.10.6.0	4.7.9.9.0	4.10.9.0.0	5.1.8.3.0	5.4.7.6.0	5.7.6.0.0	5.10.6.0.0
¼	3.2.3.0.9	3.5.2.4.6	3.8.1.8.3	3.11.1.0.0	4.2.0.3.9	4.4.11.7.6	4.7.10.11.3	4.10.10.3.0	5.1.9.6.9	5.4.8.10.6	5.7.8.2.3	5.10.7.6.0
½	3.2.3.10.6	3.5.3.3.0	3.8.2.7.6	3.11.2.0.0	4.2.1.4.6	4.5.0.9.0	4.8.0.1.6	4.10.11.6.0	5.1.10.10.6	5.4.10.3.0	5.7.9.7.6	5.10.9.0.0
¾	3.2.4.8.3	3.5.4.1.6	3.8.3.6.9	3.11.3.0.0	4.2.2.5.3	4.5.1.10.6	4.8.1.3.9	4.11.0.9.0	5.2.0.2.3	5.4.11.7.6	5.7.11.0.9	5.10.10.6.0
11.10.0	3.2.5.6.0	3.5.5.0.0	3.8.4.6.0	3.11.4.0.0	4.2.3.6.0	4.5.3.0.0	4.8.2.6.0	4.11.2.0.0	5.2.1.6.0	5.5.1.0.0	5.8.0.6.0	5.11.0.0.0
¼	3.2.6.3.9	3.5.5.10.6	3.8.5.5.3	3.11.5.0.0	4.2.4.6.9	4.5.4.1.6	4.8.3.8.3	4.11.3.3.0	5.2.2.9.0	5.5.2.4.6	5.8.1.11.3	5.11.1.6.0
½	3.2.7.1.6	3.5.6.9.0	3.8.6.4.6	3.11.6.0.0	4.2.5.7.6	4.5.5.3.0	4.8.4.10.6	4.11.4.6.0	5.2.4.1.6	5.5.3.9.0	5.8.3.4.6	5.11.3.0.0
¾	3.2.7.11.3	3.5.7.7.6	3.8.7.3.9	3.11.7.0.0	4.2.6.8.3	4.5.6.4.0	4.8.6.0.9	4.11.5.9.0	5.2.5.5.3	5.5.5.1.6	5.8.4.9.0	5.11.4.6.0
11.11.0	3.2.8.9.0	3.5.8.6.0	3.8.8.3.0	3.11.8.0.0	4.2.7.9.0	4.5.7.6.0	4.8.7.3.0	4.11.7.0.0	5.2.6.9.0	5.5.6.6.0	5.8.6.3.0	5.11.6.0.0
¼	3.2.9.6.9	3.5.9.4.6	3.8.9.2.3	3.11.9.0.0	4.2.8.9.9	4.5.8.7.6	4.8.8.5.3	4.11.8.3.0	5.2.8.0.9	5.5.7.10.6	5.8.7.8.3	5.11.7.6.0
½	3.2.10.4.6	3.5.10.3.0	3.8.10.1.6	3.11.10.0.0	4.2.9.10.6	4.5.9.0.0	4.8.9.7.6	4.11.9.6.0	5.2.9.4.6	5.5.9.3.0	5.8.9.1.6	5.11.9.0.0
¾	3.2.11.2.3	3.5.11.1.6	3.8.11.0.9	3.11.11.0.0	4.2.10.11.3	4.5.10.10.6	4.8.10.9.9	4.11.10.9.0	5.2.10.8.3	5.5.10.7.6	5.8.10.6.9	5.11.10.6.0
12.0.0	3.3.0.0.0	3.6.0.0.0	3.9.0.0.0	4.0.0.0.0	4.3.0.0.0	4.6.0.0.0	4.9.0.0.0	5.0.0.0.0	5.3.0.0.0	5.6.0.0.0	5.9.0.0.0	6.0.0.0.0
¼	3.3.0.9.9	3.6.0.10.6	3.9.0.11.3	4.0.1.0.0	4.3.1.0.9	4.6.1.1.6	4.9.1.2.3	5.0.1.3.0	5.3.1.3.9	5.6.1.4.6	5.9.1.5.3	6.0.1.6.0
½	3.3.1.7.6	3.6.1.9.0	3.9.1.10.6	4.0.2.0.0	4.3.2.1.6	4.6.2.3.0	4.9.2.4.6	5.0.2.6.0	5.3.2.7.6	5.6.2.9.0	5.9.2.10.6	6.0.3.0.0
¾	3.3.2.5.3	3.6.2.7.6	3.9.2.9.9	4.0.3.0.0	4.3.3.2.3	4.6.3.4.6	4.9.3.6.9	5.0.3.9.0	5.3.3.11.3	5.6.4.1.6	5.9.4.3.9	6.0.4.6.0
12.1.0	3.3.3.3.0	3.6.3.6.0	3.9.3.9.0	4.0.4.0.0	4.3.4.3.0	4.6.4.6.0	4.9.4.9.0	5.0.5.0.0	5.3.5.3.0	5.6.5.6.0	5.9.5.9.0	6.0.6.0.0
¼	3.3.4.0.9	3.6.4.4.6	3.9.4.8.3	4.0.5.0.0	4.3.5.3.9	4.6.5.7.6	4.9.5.11.3	5.0.6.3.0	5.3.6.6.9	5.6.6.10.6	5.9.7.2.3	6.0.7.6.0
½	3.3.4.10.6	3.6.5.3.0	3.9.5.7.6	4.0.6.0.0	4.3.6.4.6	4.6.6.9.0	4.9.7.1.6	5.0.7.6.0	5.3.7.10.6	5.6.8.3.0	5.9.8.7.6	6.0.9.0.0
¾	3.3.5.8.3	3.6.6.1.6	3.9.6.6.9	4.0.7.0.0	4.3.7.5.3	4.6.7.10.6	4.9.8.3.9	5.0.8.9.0	5.3.9.2.3	5.6.9.7.6	5.9.10.0.9	6.0.10.6.0
12.2.0	3.3.6.6.0	3.6.7.0.0	3.9.7.6.0	4.0.8.0.0	4.3.8.6.0	4.6.9.0.0	4.9.9.6.0	5.0.10.0.0	5.3.10.6.0	5.6.11.0.0	5.9.11.6.0	6.1.0.0.0
¼	3.3.7.3.9	3.6.7.10.6	3.9.8.5.3	4.0.9.0.0	4.3.9.6.9	4.6.10.1.6	4.9.10.8.3	5.0.11.3.0	5.3.11.9.9	5.7.0.4.6	5.10.0.11.3	6.1.1.6.0
½	3.3.8.1.6	3.6.8.9.0	3.9.9.4.6	4.0.10.0.0	4.3.10.7.6	4.6.11.3.0	4.9.11.10.6	5.1.0.6.0	5.4.1.1.6	5.7.1.9.0	5.10.2.4.6	6.1.3.0.0
¾	3.3.8.11.3	3.6.9.7.6	3.9.10.3.9	4.0.11.0.0	4.3.11.8.3	4.7.0.4.6	4.10.1.0.9	5.1.1.9.0	5.4.2.5.3	5.7.3.1.6	5.10.3.9.9	6.1.4.6.0
12.3.0	3.3.9.9.0	3.6.10.6.0	3.9.11.3.0	4.1.0.0.0	4.4.0.9.0	4.7.1.6.0	4.10.2.3.0	5.1.3.0.0	5.4.3.9.0	5.7.4.6.0	5.10.5.3.0	6.1.6.0.0
¼	3.3.10.6.9	3.6.11.4.6	3.10.0.2.3	4.1.1.0.0	4.4.1.9.9	4.7.2.7.6	4.10.3.5.3	5.1.4.3.0	5.4.5.0.9	5.7.5.10.6	5.10.6.8.3	6.1.7.6.0
½	3.3.11.4.6	3.7.0.3.0	3.10.1.1.6	4.1.2.0.0	4.4.2.10.6	4.7.3.9.0	4.10.4.7.6	5.1.5.6.0	5.4.6.4.6	5.7.7.3.0	5.10.8.1.6	6.1.9.0.0
¾	3.4.0.2.3	3.7.1.1.6	3.10.2.0.9	4.1.3.0.0	4.4.3.11.3	4.7.4.10.6	4.10.5.9.9	5.1.6.9.0	5.4.7.8.3	5.7.8.7.6	5.10.9.6.9	6.1.10.6.0
12.4.0	3.4.1.0.0	3.7.2.0.0	3.10.3.0.0	4.1.4.0.0	4.4.5.0.0	4.7.6.0.0	4.10.7.0.0	5.1.8.0.0	5.4.9.0.0	5.7.10.0.0	5.10.11.0.0	6.2.0.0.0
¼	3.4.1.9.9	3.7.2.10.6	3.10.3.11.3	4.1.5.0.0	4.4.6.0.9	4.7.7.1.6	4.10.8.2.3	5.1.9.3.0	5.4.10.3.9	5.7.11.4.6	5.11.0.5.3	6.2.1.6.0
½	3.4.2.7.6	3.7.3.9.0	3.10.4.10.6	4.1.6.0.0	4.4.7.1.6	4.7.8.3.0	4.10.9.4.6	5.1.10.6.0	5.4.11.7.6	5.8.0.9.0	5.11.1.10.6	6.2.3.0.0
¾	3.4.3.5.3	3.7.4.7.6	3.10.5.9.9	4.1.7.0.0	4.4.8.2.3	4.7.9.4.6	4.10.10.6.9	5.1.11.9.0	5.5.0.11.3	5.8.2.1.6	5.11.3.3.9	6.2.4.6.0
12.5.0	3.4.4.3.0	3.7.5.6.0	3.10.6.9.0	4.1.8.0.0	4.4.9.3.0	4.7.10.6.0	4.10.11.9.0	5.2.1.0.0	5.5.2.3.0	5.8.3.6.0	5.11.4.9.0	6.2.6.0.0
¼	3.4.5.0.9	3.7.6.4.6	3.10.7.8.3	4.1.9.0.0	4.4.10.3.9	4.7.11.7.6	4.11.0.11.3	5.2.2.3.0	5.5.3.6.9	5.8.4.10.6	5.11.6.2.3	6.2.7.6.0
½	3.4.5.10.6	3.7.7.3.0	3.10.8.7.6	4.1.10.0.0	4.4.11.4.6	4.8.0.9.0	4.11.2.1.6	5.2.3.6.0	5.5.4.10.6	5.8.6.3.0	5.11.7.7.6	6.2.9.0.0
¾	3.4.6.8.3	3.7.8.1.6	3.10.9.6.9	4.1.11.0.0	4.4.0.5.3	4.8.1.10.6	4.11.3.3.9	5.2.4.9.0	5.5.6.2.3	5.8.7.7.6	5.11.9.0.9	6.2.10.6.0

A TABLE OF FEET AND INCHES

from 6 inches by 6 inches and 1 quarter to 2 foot 11 inches and 3 quarters by 9 inches.

F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	0.6 ¼	0.6 ½	0.6 ¾	0.7.0	0.7 ¼	0.7 ½	0.7 ¾	0.8.0	0.8 ¼	0.8 ½	0.8 ¾	0.9.0
0.6.0 ¼ ½ ¾	0.3.1.6.0 0.3.3.0.9 0.3.4.7.6 0.3.6.2.3	0.3.6.3.0 0.3.7.10.6	0.3.9.6.9									
0.7.0 ¼ ½ ¾	0.3.7.9.0 0.3.9.3.9 0.3.10.10.6 0.4.0.5.3	0.3.9.6.0 0.3.11.1.6 0.4.0.9.0 0.4.2.4.6	0.3.11.3.0 0.4.0.11.3 0.4.2.7.6 0.4.4.3.9	0.4.1.0.0 0.4.2.9.0 0.4.4.6.0 0.4.6.3.0	0.4.4.6.9 0.4.6.4.6 0.4.8.2.3	0.4.8.3.0 0.4.10.1.6	0.5.0.0.9					
0.8.0 ¼ ½ ¾	0.4.2.0.0 0.4.3.6.9 0.4.5.1.6 0.4.6.8.3	0.4.4.0.0 0.4.5.7.6 0.4.7.3.0 0.4.8.10.6	0.4.6.0.0 0.4.7.8.3 0.4.9.4.6 0.4.11.0.9	0.4.8.0.0 0.4.9.9.0 0.4.11.6.0 0.5.1.3.0	0.4.10.0.0 0.4.11.9.9 0.5.1.7.6 0.5.3.5.3	0.5.0.0.0 0.5.1.10.6 0.5.3.9.0 0.5.5.7.6	0.5.2.0.0 0.5.3.11.3 0.5.5.10.6 0.5.7.9.9	0.5.4.0.0 0.5.6.0.0 0.5.8.0.0 0.5.10.0.0	0.5.8.0.9 0.5.10.1.6 0.6.0.2.3	0.6.0.3.0 0.6.2.4.6	0.6.4.6.9	
0.9.0 ¼ ½ ¾	0.4.8.3.0 0.4.9.9.9 0.4.11.4.6 0.5.0.11.3	0.4.10.6.0 0.5.0.1.6 0.5.1.9.0 0.5.3.4.6	0.5.0.9.0 0.5.2.5.3 0.5.4.1.6 0.5.5.9.9	0.5.3.0.0 0.5.4.9.0 0.5.6.6.0 0.5.8.3.0	0.5.5.3.0 0.5.7.0.9 0.5.8.10.6 0.5.10.8.3	0.5.7.6.0 0.5.9.4.6 0.5.11.3.0 0.6.1.1.6	0.5.9.9.0 0.5.11.8.3 0.6.1.7.6 0.6.3.6.9	0.6.0.0.0 0.6.2.0.0 0.6.4.0.0 0.6.6.0.0	0.6.2.3.0 0.6.4.3.9 0.6.6.4.6 0.6.8.5.3	0.6.4.6.0 0.6.6.7.6 0.6.8.9.0 0.6.10.10.6	0.6.6.9.0 0.6.8.11.3 0.6.11.1.6 0.7.1.3.9	0.6.9.0.0 0.6.11.3.0 0.7.1.6.0 0.7.3.9.0
0.10.0 ¼ ½ ¾	0.5.2.6.0 0.5.4.0.9 0.5.5.7.6 0.5.7.2.3	0.5.5.0.0 0.5.6.7.6 0.5.8.3.0 0.5.9.10.6	0.5.7.6.0 0.5.9.2.3 0.5.10.10.6 0.6.0.6.9	0.5.10.0.0 0.5.11.9.0 0.6.1.6.0 0.6.3.3.0	0.6.0.6.0 0.6.2.3.9 0.6.4.1.6 0.6.5.11.3	0.6.3.0.0 0.6.4.10.6 0.6.6.9.0 0.6.8.7.6	0.6.5.6.0 0.6.7.5.3 0.6.9.4.6 0.6.11.3.9	0.6.8.0.0 0.6.10.0.0 0.7.0.0.0 0.7.2.0.0	0.6.10.6.0 0.7.0.6.9 0.7.2.7.6 0.7.4.8.3	0.7.1.0.0 0.7.3.1.6 0.7.5.3.0 0.7.7.4.6	0.7.3.6.0 0.7.5.8.3 0.7.7.10.6 0.7.10.0.9	0.7.6.0.0 0.7.8.3.0 0.7.10.6.0 0.8.0.9.0
0.11.0 ¼ ½ ¾	0.5.8.9.0 0.5.10.3.9 0.5.11.10.6 0.6.1.5.3	0.5.11.6.0 0.6.1.1.6 0.6.2.9.0 0.6.4.4.6	0.6.2.3.0 0.6.3.11.3 0.6.5.7.6 0.6.7.3.9	0.6.5.0.0 0.6.6.9.0 0.6.8.6.0 0.6.10.3.0	0.6.7.9.0 0.6.9.6.9 0.6.11.4.6 0.7.1.2.3	0.6.10.6.0 0.7.0.4.6 0.7.2.3.0 0.7.4.1.6	0.7.1.3.0 0.7.3.2.3 0.7.5.1.6 0.7.7.0.9	0.7.4.0.0 0.7.6.0.0 0.7.8.0.0 0.7.10.0.0	0.7.6.9.0 0.7.8.9.9 0.7.10.10.6 0.8.0.11.3	0.7.9.6.0 0.7.11.7.6 0.8.1.9.0 0.8.3.10.6	0.8.0.3.0 0.8.2.5.3 0.8.4.7.6 0.8.6.9.9	0.8.3.0.0 0.8.5.3.0 0.8.7.6.0 0.8.9.9.0
1.0.0 ¼ ½ ¾	0.6.3.0.0 0.6.4.6.9 0.6.6.1.6 0.6.7.8.3	0.6.6.0.0 0.6.7.7.6 0.6.9.3.0 0.6.10.10.6	0.6.9.0.0 0.6.10.8.3 0.7.0.4.6 0.7.2.0.9	0.7.0.0.0 0.7.1.9.0 0.7.3.6.0 0.7.5.3.0	0.7.3.0.0 0.7.4.9.9 0.7.6.7.6 0.7.8.5.3	0.7.6.0.0 0.7.7.10.6 0.7.9.9.0 0.7.11.7.6	0.7.9.0.0 0.7.10.11.3 0.8.0.10.6 0.8.2.9.9	0.8.0.0.0 0.8.2.0.0 0.8.4.0.0 0.8.6.0.0	0.8.3.0.0 0.8.5.0.9 0.8.7.1.6 0.8.9.2.3	0.8.6.0.0 0.8.8.1.6 0.8.10.3.0 0.9.0.4.6	0.8.9.0.0 0.8.11.2.3 0.9.1.4.6 0.9.3.6.9	0.9.0.0.0 0.9.2.3.0 0.9.4.6.0 0.9.6.9.0
1.1.0 ¼ ½ ¾	0.6.9.3.0 0.6.10.9.9 0.7.0.4.6 0.7.1.11.3	0.7.0.6.0 0.7.2.1.6 0.7.3.9.0 0.7.5.4.6	0.7.3.9.0 0.7.5.5.3 0.7.7.1.6 0.7.8.9.9	0.7.7.0.0 0.7.8.9.0 0.7.10.6.0 0.8.0.3.0	0.7.10.3.0 0.8.0.0.9 0.8.1.10.6 0.8.3.8.3	0.8.1.6.0 0.8.3.4.6 0.8.5.3.0 0.8.7.1.6	0.8.4.9.0 0.8.6.8.3 0.8.8.7.6 0.8.10.6.9	0.8.8.0.0 0.8.10.0.0 0.9.0.0.0 0.9.2.0.0	0.8.11.3.0 0.9.1.3.9 0.9.3.4.6 0.9.5.5.3	0.9.2.6.0 0.9.4.7.6 0.9.6.9.0 0.9.8.10.6	0.9.5.9.0 0.9.7.11.3 0.9.10.1.6 0.10.0.3.9	0.9.9.0.0 0.9.11.3.0 0.10.1.6.0 0.10.3.9.0
1.2.0 ¼ ½ ¾	0.7.3.6.0 0.7.5.0.9 0.7.6.7.6 0.7.8.2.3	0.7.7.0.0 0.7.8.7.6 0.7.10.3.0 0.7.11.10.6	0.7.10.6.0 0.8.0.2.3 0.8.1.10.6 0.8.3.6.9	0.8.2.0.0 0.8.3.9.0 0.8.5.6.0 0.8.7.3.0	0.8.5.6.0 0.8.7.3.9 0.8.9.1.6 0.8.10.11.3	0.8.9.0.0 0.8.10.10.6 0.9.0.9.0 0.9.2.7.6	0.9.0.6.0 0.9.2.5.3 0.9.4.4.6 0.9.6.3.9	0.9.4.0.0 0.9.6.0.0 0.9.8.0.0 0.9.10.0.0	0.9.7.6.0 0.9.9.6.9 0.9.11.7.6 0.10.1.8.3	0.9.11.0.0 0.10.1.1.6 0.10.3.3.0 0.10.5.4.6	0.10.2.6.0 0.10.4.8.3 0.10.6.10.6 0.10.9.0.9	0.10.6.0.0 0.10.8.3.0 0.10.10.6.0 0.11.0.9.0
1.3.0 ¼ ½ ¾	0.7.9.9.0 0.7.11.3.9 0.8.0.10.6 0.8.2.5.3	0.8.1.6.0 0.8.3.1.6 0.8.4.9.0 0.8.6.4.6	0.8.5.3.0 0.8.6.11.3 0.8.8.7.6 0.8.10.3.9	0.8.9.0.0 0.8.10.9.0 0.9.0.6.0 0.9.2.3.0	0.9.0.9.0 0.9.2.6.9 0.9.4.4.6 0.9.6.2.3	0.9.4.6.0 0.9.6.4.6 0.9.8.3.0 0.9.10.1.6	0.9.8.3.0 0.9.10.2.3 0.10.0.1.6 0.10.2.0.9	0.10.0.0.0 0.10.2.0.0 0.10.4.0.0 0.10.6.0.0	0.10.3.9.0 0.10.5.9.9 0.10.7.10.6 0.10.9.11.3	0.10.7.6.0 0.10.9.7.6 0.10.11.9.0 0.11.1.10.6	0.10.11.3.0 0.11.1.5.3 0.11.3.7.6 0.11.5.9.9	0.11.3.0.0 0.11.5.3.0 0.11.7.6.0 0.11.9.9.0
1.4.0 ¼ ½ ¾	0.8.4.0.0 0.8.5.6.9 0.8.7.1.6 0.8.8.8.3	0.8.8.0.0 0.8.9.7.6 0.8.11.3.0 0.9.0.10.6	0.9.0.0.0 0.9.1.8.3 0.9.3.4.6 0.9.5.0.9	0.9.4.0.0 0.9.5.9.0 0.9.7.6.0 0.9.9.3.0	0.9.8.0.0 0.9.9.9.9 0.9.11.7.6 0.10.1.5.3	0.10.0.0.0 0.10.1.10.6 0.10.3.9.0 0.10.5.7.6	0.10.4.0.0 0.10.5.11.3 0.10.7.10.6 0.10.9.9.9	0.10.8.0.0 0.10.10.0.0 0.11.0.0.0 0.11.2.0.0	0.11.0.0.0 0.11.2.0.9 0.11.4.1.6 0.11.6.2.3	0.11.4.0.0 0.11.6.1.6 0.11.8.3.0 0.11.10.4.6	0.11.8.0.0 0.11.10.2.3 1.0.0.4.6 1.0.2.6.9	1.0.0.0.0 1.0.2.3.0 1.0.4.6.0 1.0.6.9.0
1.5.0 ¼ ½ ¾	0.8.10.3.0 0.8.11.9.9 0.9.1.4.6 0.9.2.11.3	0.9.2.6.0 0.9.4.1.6 0.9.5.9.0 0.9.7.4.6	0.9.6.9.0 0.9.8.5.3 0.9.10.1.6 0.9.11.9.9	0.9.11.0.0 0.10.0.9.0 0.10.2.6.0 0.10.4.3.0	0.10.3.3.0 0.10.5.0.9 0.10.6.10.6 0.10.8.8.3	0.10.7.6.0 0.10.9.4.6 0.10.11.3.0 0.11.1.1.6	0.10.11.9.0 0.11.1.8.3 0.11.3.7.6 0.11.5.6.9	0.11.4.0.0 0.11.6.0.0 0.11.8.0.0 0.11.10.0.0	0.11.8.3.0 0.11.10.3.9 1.0.0.4.6 1.0.2.5.3	1.0.0.6.0 1.0.2.7.6 1.0.4.9.0 1.0.6.10.6	1.0.4.9.0 1.0.6.11.3 1.0.9.1.6 1.0.11.3.9	1.0.9.0.0 1.0.11.3.0 1.1.1.6.0 1.1.3.9.0
1.6.0 ¼ ½ ¾	0.9.4.6.0 0.9.6.0.9 0.9.7.7.6 0.9.9.2.3	0.9.9.0.0 0.9.10.7.6 0.10.0.3.0 0.10.1.10.6	0.10.1.6.0 0.10.3.2.3 0.10.4.10.6 0.10.6.6.9	0.10.6.0.0 0.10.7.9.0 0.10.9.6.0 0.10.11.3.0	0.10.10.6.0 0.11.0.3.9 0.11.2.1.6 0.11.3.11.3	0.11.3.0.0 0.11.4.10.6 0.11.6.9.0 0.11.8.7.6	0.11.7.6.0 0.11.9.5.3 0.11.11.4.6 1.0.1.3.9	1.0.0.0.0 1.0.2.0.0 1.0.4.0.0 1.0.6.0.0	1.0.4.6.0 1.0.6.6.9 1.0.8.7.6 1.0.10.8.3	1.0.9.0.0 1.0.11.1.6 1.1.1.3.0 1.1.3.4.6	1.1.1.6.0 1.1.3.8.3 1.1.5.10.6 1.1.8.0.9	1.1.6.0.0 1.1.8.3.0 1.1.10.6.0 1.2.0.9.0
1.7.0 ¼ ½ ¾	0.9.10.9.0 0.10.0.3.9 0.10.1.10.6 0.10.3.5.3	0.10.3.6.0 0.10.5.1.6 0.10.6.9.0 0.10.8.4.6	0.10.8.3.0 0.10.9.11.3 0.10.11.7.6 0.11.1.3.9	0.11.1.0.0 0.11.2.9.0 0.11.4.6.0 0.11.6.3.0	0.11.5.9.0 0.11.7.6.9 0.11.9.4.6 0.11.11.2.3	0.11.10.6.0 1.0.0.4.6 1.0.2.3.0 1.0.4.1.6	1.0.3.3.0 1.0.5.2.3 1.0.7.1.6 1.0.9.0.9	1.0.8.0.0 1.0.10.0.0 1.1.0.0.0 1.1.2.0.0	1.1.0.9.0 1.1.2.9.9 1.1.4.10.6 1.1.6.11.3	1.1.5.6.0 1.1.7.7.6 1.1.9.9.0 1.1.11.10.6	1.1.10.3.0 1.2.0.5.3 1.2.2.7.6 1.2.4.9.9	1.2.3.0.0 1.2.5.3.0 1.2.7.6.0 1.2.9.9.0
1.8.0 ¼ ½ ¾	0.10.5.0.0 0.10.6.6.9 0.10.8.1.6 0.10.9.8.3	0.10.10.0.0 0.10.11.7.6 0.11.1.3.0 0.11.2.10.6	0.11.3.0.0 0.11.4.8.3 0.11.6.4.6 0.11.8.0.9	0.11.8.0.0 0.11.9.9.0 0.11.11.6.0 1.0.1.3.0	1.0.1.0.0 1.0.2.9.9 1.0.4.7.6 1.0.6.5.3	1.0.6.0.0 1.0.7.10.6 1.0.9.9.0 1.0.11.7.6	1.0.11.0.0 1.1.0.11.3 1.1.2.10.6 1.1.4.9.9	1.1.4.0.0 1.1.6.0.0 1.1.8.0.0 1.1.10.0.0	1.1.9.0.0 1.1.11.0.9 1.2.1.1.6 1.2.3.2.3	1.2.2.0.0 1.2.4.1.6 1.2.6.3.0 1.2.8.4.6	1.2.7.0.0 1.2.9.2.3 1.2.11.4.6 1.3.1.6.9	1.3.0.0.0 1.3.2.3.0 1.3.4.6.0 1.3.6.9.0
1.9.0 ¼ ½ ¾	0.10.11.3.0 0.11.0.9.9 0.11.2.4.6 0.11.3.11.3	0.11.4.6.0 0.11.6.1.6 0.11.7.9.0 0.11.9.4.6	0.11.9.9.0 0.11.11.5.3 1.0.1.1.6 1.0.2.9.9	1.0.3.0.0 1.0.4.9.0 1.0.6.6.0 1.0.8.3.0	1.0.8.3.0 1.0.10.0.9 1.0.11.10.6 1.1.1.8.3	1.1.1.6.0 1.1.3.4.6 1.1.5.3.0 1.1.7.1.6	1.1.6.9.0 1.1.8.8.3 1.1.10.7.6 1.2.0.6.9	1.2.0.0.0 1.2.2.0.0 1.2.4.0.0 1.2.6.0.0	1.2.5.3.0 1.2.7.3.9 1.2.9.4.6 1.2.11.5.3	1.2.10.6.0 1.3.0.7.6 1.3.2.9.0 1.3.4.10.6	1.3.3.9.0 1.3.5.11.3 1.3.8.1.6 1.3.10.3.9	1.3.9.0.0 1.3.11.3.0 1.4.1.6.0 1.4.3.9.0
1.10.0 ¼ ½ ¾	0.11.5.6.0 0.11.7.0.9 0.11.8.7.6 0.11.10.2.3	0.11.11.0.0 1.0.0.7.6 1.0.2.3.0 1.0.3.10.6	1.0.4.6.0 1.0.6.2.3 1.0.7.10.6 1.0.9.6.9	1.0.10.0.0 1.0.11.9.0 1.1.1.6.0 1.1.3.3.0	1.1.3.6.0 1.1.5.3.9 1.1.7.1.6 1.1.8.11.3	1.1.9.0.0 1.1.10.10.6 1.2.0.9.0 1.2.2.7.6	1.2.2.6.0 1.2.4.5.3 1.2.6.4.6 1.2.8.3.9	1.2.8.0.0 1.2.10.0.0 1.3.0.0.0 1.3.2.0.0	1.3.1.6.0 1.3.3.6.9 1.3.5.7.6 1.3.7.8.3	1.3.7.0.0 1.3.9.1.6 1.3.11.3.0 1.4.1.4.6	1.4.0.6.0 1.4.2.8.3 1.4.4.10.6 1.4.7.0.9	1.4.6.0.0 1.4.8.3.0 1.4.10.6.0 1.5.0.9.0
1.11.0 ¼ ½ ¾	0.11.11.9.0 1.0.1.3.9 1.0.2.10.6 1.0.4.5.3	1.0.5.6.0 1.0.7.1.6 1.0.8.9.0 1.0.10.4.6	1.0.11.3.0 1.1.0.11.3 1.1.2.7.6 1.1.4.3.9	1.1.5.0.0 1.1.6.9.0 1.1.8.6.0 1.1.10.3.0	1.1.10.9.0 1.2.0.6.9 1.2.2.4.6 1.2.4.2.3	1.2.4.6.0 1.2.6.4.6 1.2.8.3.0 1.2.10.1.6	1.2.10.3.0 1.3.0.2.3 1.3.2.1.6 1.3.4.0.9	1.3.4.0.0 1.3.6.0.0 1.3.8.0.0 1.3.10.0.0	1.3.9.9.0 1.3.11.9.9 1.4.1.10.6 1.4.3.11.3	1.4.3.6.0 1.4.5.7.6 1.4.7.9.0 1.4.9.10.6	1.4.9.3.0 1.4.11.5.3 1.5.1.7.6 1.5.3.9.9	1.5.3.0.0 1.5.5.3.0 1.5.7.6.0 1.5.9.9.0
2.0.0 ¼ ½ ¾	1.0.6.0.0 1.0.7.6.9 1.0.9.1.6 1.0.10.8.3	1.1.0.0.0 1.1.1.7.6 1.1.3.3.0 1.1.4.10.6	1.1.6.0.0 1.1.7.8.3 1.1.9.4.6 1.1.11.0.9	1.2.0.0.0 1.2.1.9.0 1.2.3.6.0 1.2.5.3.0	1.2.6.0.0 1.2.7.9.9 1.2.9.7.6 1.2.11.5.3	1.3.0.0.0 1.3.1.10.6 1.3.3.9.0 1.3.5.7.6	1.3.6.0.0 1.3.7.11.3 1.3.9.10.6 1.3.11.9.9	1.4.0.0.0 1.4.2.0.0 1.4.4.0.0 1.4.6.0.0	1.4.6.0.0 1.4.8.0.9 1.4.10.1.6 1.5.0.2.3	1.5.0.0.0 1.5.2.1.6 1.5.4.3.0 1.5.6.4.6	1.5.6.0.0 1.5.8.2.3 1.5.10.4.6 1.6.0.6.9	1.6.0.0.0 1.6.2.3.0 1.6.4.6.0 1.6.6.9.0
2.1.0 ¼ ½ ¾	1.1.0.3.0 1.1.1.9.9 1.1.3.4.6 1.1.4.11.3	1.1.6.6.0 1.1.8.1.6 1.1.9.9.0 1.1.11.4.6	1.2.0.9.0 1.2.2.5.3 1.2.4.1.6 1.2.5.9.9	1.2.7.0.0 1.2.8.9.0 1.2.10.6.0 1.3.0.3.0	1.3.1.3.0 1.3.3.0.9 1.3.4.10.6 1.3.6.8.3	1.3.7.6.0 1.3.9.4.6 1.3.11.3.0 1.4.1.1.6	1.4.1.9.0 1.4.3.8.3 1.4.5.7.6 1.4.7.6.9	1.4.8.0.0 1.4.10.0.0 1.5.0.0.0 1.5.2.0.0	1.5.2.3.0 1.5.4.3.9 1.5.6.4.6 1.5.8.5.3	1.5.8.6.0 1.5.10.7.6 1.6.0.9.0 1.6.2.10.6	1.6.2.9.0 1.6.4.11.3 1.6.7.1.6 1.6.9.3.9	1.6.9.0.0 1.6.11.3.0 1.7.1.6.0 1.7.3.9.0
2.2.0 ¼ ½ ¾	1.1.6.6.0 1.1.8.0.9 1.1.9.7.6 1.1.11.2.3	1.2.1.0.0 1.2.2.7.6 1.2.4.3.0 1.2.5.10.6	1.2.7.6.0 1.2.9.2.3 1.2.10.10.6 1.3.0.6.9	1.3.2.0.0 1.3.3.9.0 1.3.5.6.0 1.3.7.3.0	1.3.8.6.0 1.3.10.3.9 1.4.0.1.6 1.4.1.11.3	1.4.3.0.0 1.4.4.10.6 1.4.6.9.0 1.4.8.7.6	1.4.9.6.0 1.4.11.5.3 1.5.1.4.6 1.5.3.3.9	1.5.4.0.0 1.5.6.0.0 1.5.8.0.0 1.5.10.0.0	1.5.10.6.0 1.6.0.6.9 1.6.2.7.6 1.6.4.8.3	1.6.5.0.0 1.6.7.1.6 1.6.9.3.0 1.6.11.4.6	1.6.11.6.0 1.7.1.8.3 1.7.3.10.6 1.7.6.0.9	1.7.6.0.0 1.7.8.3.0 1.7.10.6.0 1.8.0.9.0
2.3.0 ¼ ½ ¾	1.2.0.9.0 1.2.2.3.9 1.2.3.10.6 1.2.5.5.3	1.2.7.6.0 1.2.9.1.6 1.2.10.9.0 1.3.0.4.6	1.3.2.3.0 1.3.3.11.3 1.3.5.7.6 1.3.7.3.9	1.3.9.0.0 1.3.10.9.0 1.4.0.6.0 1.4.2.3.0	1.4.3.9.0 1.4.5.6.9 1.4.7.4.6 1.4.9.2.3	1.4.10.6.0 1.5.0.4.6 1.5.2.3.0 1.5.4.1.6	1.5.5.3.0 1.5.7.2.3 1.5.9.1.6 1.5.11.0.9	1.6.0.0.0 1.6.2.0.0 1.6.4.0.0 1.6.6.0.0	1.6.6.9.0 1.6.8.9.9 1.6.10.10.6 1.7.0.11.3	1.7.1.6.0 1.7.3.7.6 1.7.5.9.0 1.7.7.10.6	1.7.8.3.0 1.7.10.5.3 1.8.0.7.6 1.8.2.9.9	1.8.3.0.0 1.8.5.3.0 1.8.7.6.0 1.8.9.9.0
2.4.0 ¼ ½ ¾	1.2.7.0.0 1.2.8.6.9 1.2.10.1.6 1.2.11.8.3	1.3.2.0.0 1.3.3.7.6 1.3.5.3.0 1.3.6.10.6	1.3.9.0.0 1.3.10.8.3 1.4.0.4.6 1.4.2.0.9	1.4.4.0.0 1.4.5.9.0 1.4.7.6.0 1.4.9.3.0	1.4.11.0.0 1.5.0.9.9 1.5.2.7.6 1.5.4.5.3	1.5.6.0.0 1.5.7.10.6 1.5.9.9.0 1.5.11.7.6	1.6.1.0.0 1.6.2.11.3 1.6.4.10.6 1.6.6.9.9	1.6.8.0.0 1.6.10.0.0 1.7.0.0.0 1.7.2.0.0	1.7.3.0.0 1.7.5.0.9 1.7.7.1.6 1.7.9.2.3	1.7.10.0.0 1.8.0.1.6 1.8.2.3.0 1.8.4.4.6	1.8.5.0.0 1.8.7.2.3 1.8.9.4.6 1.8.11.6.9	1.9.0.0.0 1.9.2.3.0 1.9.4.6.0 1.9.6.9.0
2.5.0 ¼ ½ ¾	1.3.1.3.0 1.3.2.9.9 1.3.4.4.6 1.3.5.11.3	1.3.8.6.0 1.3.10.1.6 1.3.11.9.0 1.4.1.4.6	1.4.3.9.0 1.4.5.5.3 1.4.7.1.6 1.4.8.9.9	1.4.11.0.0 1.5.0.9.0 1.5.2.6.0 1.5.4.3.0	1.5.6.3.0 1.5.8.0.9 1.5.9.10.6 1.5.11.8.3	1.6.1.6.0 1.6.3.4.6 1.6.5.3.0 1.6.7.1.6	1.6.8.9.0 1.6.10.8.3 1.7.0.7.6 1.7.2.6.9	1.7.4.0.0 1.7.6.0.0 1.7.8.0.0 1.7.10.0.0	1.7.11.3.0 1.8.1.3.9 1.8.3.4.6 1.8.5.5.3	1.8.6.6.0 1.8.8.7.6 1.8.10.9.0 1.9.0.10.6	1.9.1.9.0 1.9.3.11.3 1.9.6.1.6 1.9.8.3.9	1.9.9.0.0 1.9.11.3.0 1.10.1.6.0 1.10.3.9.0
2.6.0 ¼ ½ ¾	1.3.7.6.0 1.3.9.0.9 1.3.10.7.6 1.4.0.2.3	1.4.3.0.0 1.4.4.7.6 1.4.6.3.0 1.4.7.10.6	1.4.10.6.0 1.5.0.2.3 1.5.1.10.6 1.5.3.6.9	1.5.6.0.0 1.5.7.9.0 1.5.9.6.0 1.5.11.3.0	1.6.1.6.0 1.6.3.3.9 1.6.5.1.6 1.6.6.11.3	1.6.9.0.0 1.6.10.10.6 1.7.0.9.0 1.7.2.7.6	1.7.4.6.0 1.7.6.5.3 1.7.8.4.6 1.7.10.3.9	1.8.0.0.0 1.8.2.0.0 1.8.4.0.0 1.8.6.0.0	1.8.7.6.0 1.8.9.6.9 1.8.11.7.6 1.9.1.8.3	1.9.3.0.0 1.9.5.1.6 1.9.7.3.0 1.9.9.4.6	1.9.10.6.0 1.10.0.8.3 1.10.2.10.6 1.10.5.0.9	1.10.6.0.0 1.10.8.3.0 1.10.10.6.0 1.11.0.9.0
2.7.0 ¼ ½ ¾	1.4.1.9.0 1.4.3.3.9 1.4.4.10.6 1.4.6.5.3	1.4.9.6.0 1.4.11.1.6 1.5.0.9.0 1.5.2.4.6	1.5.5.3.0 1.5.6.11.3 1.5.8.7.6 1.5.10.3.9	1.6.1.0.0 1.6.2.9.0 1.6.4.6.0 1.6.6.3.0	1.6.8.9.0 1.6.10.6.9 1.7.0.4.6 1.7.2.2.3	1.7.4.6.0 1.7.6.4.6 1.7.8.3.0 1.7.10.1.6	1.8.0.3.0 1.8.2.2.3 1.8.4.1.6 1.8.6.0.9	1.8.8.0.0 1.8.10.0.0 1.9.0.0.0 1.9.2.0.0	1.9.3.9.0 1.9.5.9.9 1.9.7.10.6 1.9.9.11.3	1.9.11.6.0 1.10.1.7.6 1.10.3.9.0 1.10.5.10.6	1.10.7.3.0 1.10.9.5.3 1.10.11.7.6 1.11.1.9.9	1.11.3.0.0 1.11.5.3.0 1.11.7.6.0 1.11.9.9.0
2.8.0 ¼ ½ ¾	1.4.8.0.0 1.4.9.6.9 1.4.11.1.6 1.5.0.8.3	1.5.4.0.0 1.5.5.7.6 1.5.7.3.0 1.5.8.10.6	1.6.0.0.0 1.6.1.8.3 1.6.3.4.6 1.6.5.0.9	1.6.8.0.0 1.6.9.9.0 1.6.11.6.0 1.7.1.3.0	1.7.4.0.0 1.7.5.9.9 1.7.7.7.6 1.7.9.5.3	1.8.0.0.0 1.8.1.10.6 1.8.3.9.0 1.8.5.7.6	1.8.8.0.0 1.8.9.11.3 1.8.11.10.6 1.9.1.9.9	1.9.4.0.0 1.9.6.0.0 1.9.8.0.0 1.9.10.0.0	1.10.0.0.0 1.10.2.0.9 1.10.4.1.6 1.10.6.2.3	1.10.8.0.0 1.10.10.1.6 1.11.0.3.0 1.11.2.4.6	1.11.4.0.0 1.11.6.2.3 1.11.8.4.6 1.11.10.6.9	2.0.0.0.0 2.0.2.3.0 2.0.4.6.0 2.0.6.9.0
2.9.0 ¼ ½ ¾	1.5.2.3.0 1.5.3.9.9 1.5.5.4.6 1.5.6.11.3	1.5.10.6.0 1.6.0.1.6 1.6.1.9.0 1.6.3.4.6	1.6.6.9.0 1.6.8.5.3 1.6.10.1.6 1.6.11.9.9	1.7.3.0.0 1.7.4.9.0 1.7.6.6.0 1.7.8.3.0	1.7.11.3.0 1.8.1.0.9 1.8.2.10.6 1.8.4.8.3	1.8.7.6.0 1.8.9.4.6 1.8.11.3.0 1.9.1.1.6	1.9.3.9.0 1.9.5.8.3 1.9.7.7.6 1.9.9.6.9	1.10.0.0.0 1.10.2.0.0 1.10.4.0.0 1.10.6.0.0	1.10.8.3.0 1.10.10.3.9 1.11.0.4.6 1.11.2.5.3	1.11.4.6.0 1.11.6.7.6 1.11.8.9.0 1.11.10.10.6	2.0.0.9.0 2.0.2.11.3 2.0.5.1.6 2.0.7.3.9	2.0.9.0.0 2.0.11.3.0 2.1.1.6.0 2.1.3.9.0
2.10.0 ¼ ½ ¾	1.5.8.6.0 1.5.10.0.9 1.5.11.7.6 1.6.1.2.3	1.6.5.0.0 1.6.6.7.6 1.6.8.3.0 1.6.9.10.6	1.7.1.6.0 1.7.3.2.3 1.7.4.10.6 1.7.6.6.9	1.7.10.0.0 1.7.11.9.0 1.8.1.6.0 1.8.3.3.0	1.8.6.6.0 1.8.8.3.9 1.8.10.1.6 1.8.11.11.3	1.9.3.0.0 1.9.4.10.6 1.9.6.9.0 1.9.8.7.6	1.9.11.6.0 1.10.1.5.3 1.10.3.4.6 1.10.5.3.9	1.10.8.0.0 1.10.10.0.0 1.11.0.0.0 1.11.2.0.0	1.11.4.6.0 1.11.6.6.9 1.11.8.7.6 1.11.10.8.3	2.0.1.0.0 2.0.3.1.6 2.0.5.3.0 2.0.7.4.6	2.0.9.6.0 2.0.11.8.3 2.1.1.10.6 2.1.4.0.9	2.1.6.0.0 2.1.8.3.0 2.1.10.6.0 2.2.0.9.0
2.11.0 ¼ ½ ¾	1.6.2.9.0 1.6.4.3.9 1.6.5.10.6 1.6.7.5.3	1.6.11.6.0 1.7.1.1.6 1.7.2.9.0 1.7.4.4.6	1.7.8.3.0 1.7.9.11.3 1.7.11.7.6 1.8.1.3.9	1.8.5.0.0 1.8.6.9.0 1.8.8.6.0 1.8.10.3.0	1.9.1.9.0 1.9.3.6.9 1.9.5.4.6 1.9.7.2.3	1.9.10.6.0 1.10.0.4.6 1.10.2.3.0 1.10.4.1.6	1.10.7.3.0 1.10.9.2.3 1.10.11.1.6 1.11.1.0.9	1.11.4.0.0 1.11.6.0.0 1.11.8.0.0 1.11.10.0.0	2.0.0.9.0 2.0.2.9.9 2.0.4.10.6 2.0.6.11.3	2.0.9.6.0 2.0.11.7.6 2.1.1.9.0 2.1.3.10.6	2.1.6.3.0 2.1.8.5.3 2.1.10.7.6 2.2.0.9.9	2.2.3.0.0 2.2.5.3.0 2.2.7.6.0 2.2.9.9.0

A TABLE OF FEET AND INCHES.

from 3 foot by 6 inches and 1 quarter to 5 foot 5 inches and 3 quarters by 9 inches

F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	0.6.¼	0.6.½	0.6.¾	0.7.0	0.7.¼	0.7.½	0.7.¾	0.8.0	0.8.¼	0.8.½	0.8.¾	0.9.0
3.0.0	1.6.9.0.0	1.7.6.0.0	1.8.3.0.0	1.9.0.0.0	1.9.9.0.0	1.10.6.0.0	1.11.3.0.0	2.0.0.0.0	2.0.9.0.0	2.1.6.0.0	2.2.3.0.0	2.3.0.0.0
¼	1.6.10.6.9	1.7.7.7.6	1.8.4.8.3	1.9.1.9.0	1.9.10.9.9	1.10.7.10.6	1.11.4.11.3	2.0.2.0.0	2.0.11.0.9	2.1.8.1.6	2.2.5.2.3	2.3.2.3.0
½	1.7.0.1.6	1.7.9.3.0	1.8.6.4.6	1.9.3.6.0	1.10.0.7.6	1.10.9.9.0	1.11.6.10.6	2.0.4.0.0	2.1.1.1.6	2.1.10.3.0	2.2.7.4.6	2.3.4.6.0
¾	1.7.1.8.3	1.7.10.10.6	1.8.8.0.9	1.9.5.3.0	1.10.2.5.3	1.10.11.7.6	1.11.8.9.9	2.0.6.0.0	2.1.3.2.3	2.2.0.4.6	2.2.9.6.9	2.3.6.9.0
3.1.0	1.7.3.3.0	1.8.0.6.0	1.8.9.9.0	1.9.7.0.0	1.10.4.3.0	1.11.1.6.0	1.11.10.9.0	2.0.8.0.0	2.1.5.3.0	2.2.2.6.0	2.2.11.9.0	2.3.9.0.0
¼	1.7.4.9.9	1.8.2.1.6	1.8.11.5.3	1.9.8.9.0	1.10.6.0.9	1.11.3.4.6	2.0.0.8.3	2.0.10.0.0	2.1.7.3.9	2.2.4.7.6	2.3.1.11.3	2.3.11.3.0
½	1.7.6.4.6	1.8.3.9.0	1.9.1.1.6	1.9.10.6.0	1.10.7.10.6	1.11.5.3.0	2.0.2.7.6	2.1.0.0.0	2.1.9.4.6	2.2.6.9.0	2.3.4.1.6	2.4.1.6.0
¾	1.7.7.11.3	1.8.5.4.6	1.9.2.9.9	1.10.0.3.0	1.10.9.8.3	1.11.7.1.6	2.0.4.6.9	2.1.2.0.0	2.1.11.5.3	2.2.8.10.6	2.3.6.3.9	2.4.3.9.0
3.2.0	1.7.9.6.0	1.8.7.0.0	1.9.4.6.0	1.10.2.0.0	1.10.11.6.0	1.11.9.0.0	2.0.6.6.0	2.1.4.0.0	2.2.1.6.0	2.2.11.0.0	2.3.8.6.0	2.4.6.0.0
¼	1.7.11.0.9	1.8.8.7.6	1.9.6.2.3	1.10.3.9.0	1.11.1.3.9	1.11.10.10.6	2.0.8.5.3	2.1.6.0.0	2.2.3.6.9	2.3.1.1.6	2.3.10.8.3	2.4.8.3.0
½	1.8.0.7.6	1.8.10.3.0	1.9.7.10.6	1.10.5.6.0	1.11.3.1.6	2.0.0.9.0	2.0.10.4.6	2.1.8.0.0	2.2.5.7.6	2.3.3.3.0	2.4.0.10.6	2.4.10.6.0
¾	1.8.2.2.3	1.8.11.10.6	1.9.9.6.9	1.10.7.3.0	1.11.4.11.3	2.0.2.7.6	2.1.0.3.9	2.1.10.0.0	2.2.7.8.3	2.3.5.4.6	2.4.3.0.9	2.5.0.9.0
3.3.0	1.8.3.9.0	1.9.1.6.0	1.9.11.3.0	1.10.9.0.0	1.11.6.9.0	2.0.4.6.0	2.1.2.3.0	2.2.0.0.0	2.2.9.9.0	2.3.7.6.0	2.4.5.3.0	2.5.3.0.0
¼	1.8.5.3.9	1.9.3.1.6	1.10.0.11.3	1.10.10.9.0	1.11.8.6.9	2.0.6.4.6	2.1.4.2.3	2.2.2.0.0	2.2.11.9.9	2.3.9.7.6	2.4.7.5.3	2.5.5.3.0
½	1.8.6.10.6	1.9.4.9.0	1.10.2.7.6	1.11.0.6.0	1.11.10.4.6	2.0.8.3.0	2.1.6.1.6	2.2.4.0.0	2.3.1.10.6	2.3.11.9.0	2.4.9.7.6	2.5.7.6.0
¾	1.8.8.5.3	1.9.6.4.6	1.10.4.3.9	1.11.2.3.0	2.0.0.2.3	2.0.10.1.6	2.1.8.0.9	2.2.6.0.0	2.3.3.11.3	2.4.1.10.6	2.4.11.9.9	2.5.9.9.0
3.4.0	1.8.10.0.0	1.9.8.0.0	1.10.6.0.0	1.11.4.0.0	2.0.2.0.0	2.1.0.0.0	2.1.10.0.0	2.2.8.0.0	2.3.6.0.0	2.4.4.0.0	2.5.2.0.0	2.6.0.0.0
¼	1.8.11.6.9	1.9.9.7.6	1.10.7.8.3	1.11.5.9.0	2.0.3.9.9	2.1.1.10.6	2.1.11.11.3	2.2.10.0.0	2.3.8.0.9	2.4.6.1.6	2.5.4.2.3	2.6.2.3.0
½	1.9.1.1.6	1.9.11.3.0	1.10.9.4.6	1.11.7.6.0	2.0.5.7.6	2.1.3.9.0	2.2.1.10.6	2.3.0.0.0	2.3.10.1.6	2.4.8.3.0	2.5.6.4.6	2.6.4.6.0
¾	1.9.2.8.3	1.10.0.10.6	1.10.11.0.9	1.11.9.3.0	2.0.7.5.3	2.1.5.7.6	2.2.3.9.9	2.3.2.0.0	2.4.0.2.3	2.4.10.4.6	2.5.8.6.9	2.6.6.9.0
3.5.0	1.9.4.3.0	1.10.2.6.0	1.11.0.9.0	1.11.11.0.0	2.0.9.3.0	2.1.7.6.0	2.2.5.9.0	2.3.4.0.0	2.4.2.3.0	2.5.0.6.0	2.5.10.9.0	2.6.9.0.0
¼	1.9.5.9.9	1.10.4.1.6	1.11.2.5.3	2.0.0.9.0	2.0.11.0.9	2.1.9.4.6	2.2.7.8.3	2.3.6.0.0	2.4.4.3.9	2.5.2.7.6	2.6.0.11.3	2.6.11.3.0
½	1.9.7.4.6	1.10.5.9.0	1.11.4.1.6	2.0.2.6.0	2.1.0.10.6	2.1.11.3.0	2.2.9.7.6	2.3.8.0.0	2.4.6.4.6	2.5.4.9.0	2.6.3.1.6	2.7.1.6.0
¾	1.9.8.11.3	1.10.7.4.6	1.11.5.9.9	2.0.4.3.0	2.1.2.8.3	2.2.1.1.6	2.2.11.6.9	2.3.10.0.0	2.4.8.5.3	2.5.6.10.6	2.6.5.3.9	2.7.3.9.0
3.6.0	1.9.10.6.0	1.10.9.0.0	1.11.7.6.0	2.0.6.0.0	2.1.4.6.0	2.2.3.0.0	2.3.1.6.0	2.4.0.0.0	2.4.10.6.0	2.5.9.0.0	2.6.7.6.0	2.7.6.0.0
¼	1.10.0.0.9	1.10.10.7.6	1.11.9.2.3	2.0.7.9.0	2.1.6.3.9	2.2.4.10.6	2.3.3.5.3	2.4.2.0.0	2.5.0.6.9	2.5.11.1.6	2.6.9.8.3	2.7.8.3.0
½	1.10.1.7.6	1.11.0.3.0	1.11.10.10.6	2.0.9.6.0	2.1.8.1.6	2.2.6.9.0	2.3.5.4.6	2.4.4.0.0	2.5.2.7.6	2.6.1.3.0	2.6.11.10.6	2.7.10.6.0
¾	1.10.3.2.3	1.11.1.10.6	2.0.0.6.9	2.0.11.3.0	2.1.9.11.3	2.2.8.7.6	2.3.7.3.9	2.4.6.0.0	2.5.4.8.3	2.6.3.4.6	2.7.2.0.9	2.8.0.9.0
3.7.0	1.10.4.9.0	1.11.3.6.0	2.0.2.3.0	2.1.1.0.0	2.1.11.9.0	2.2.10.6.0	2.3.9.3.0	2.4.8.0.0	2.5.6.9.0	2.6.5.6.0	2.7.4.3.0	2.8.3.0.0
¼	1.10.6.3.9	1.11.5.1.6	2.0.3.11.3	2.1.2.9.0	2.2.1.6.9	2.3.0.4.6	2.3.11.2.3	2.4.10.0.0	2.5.8.9.9	2.6.7.7.6	2.7.6.5.3	2.8.5.3.0
½	1.10.7.10.6	1.11.6.9.0	2.0.5.7.6	2.1.4.6.0	2.2.3.4.6	2.3.2.3.0	2.4.1.1.6	2.5.0.0.0	2.5.10.10.6	2.6.9.9.0	2.7.8.7.6	2.8.7.6.0
¾	1.10.9.5.3	1.11.8.4.6	2.0.7.3.9	2.1.6.3.0	2.2.5.2.3	2.3.4.1.6	2.4.3.0.9	2.5.2.0.0	2.6.0.11.3	2.6.11.10.6	2.7.10.9.9	2.8.9.9.0
3.8.0	1.10.11.0.0	1.11.10.0.0	2.0.9.0.0	2.1.8.0.0	2.2.7.0.0	2.3.6.0.0	2.4.5.0.0	2.5.4.0.0	2.6.3.0.0	2.7.2.0.0	2.8.1.0.0	2.9.0.0.0
¼	1.11.0.6.9	1.11.11.7.6	2.0.10.8.3	2.1.9.9.0	2.2.8.9.9	2.3.7.10.6	2.4.6.11.3	2.5.6.0.0	2.6.5.0.9	2.7.4.1.6	2.8.3.2.3	2.9.2.3.0
½	1.11.2.1.6	2.0.1.3.0	2.1.0.4.6	2.1.11.6.0	2.2.10.7.6	2.3.9.9.0	2.4.8.10.6	2.5.8.0.0	2.6.7.1.6	2.7.6.3.0	2.8.5.4.6	2.9.4.6.0
¾	1.11.3.8.3	2.0.2.10.6	2.1.2.0.9	2.2.1.3.0	2.3.0.5.3	2.3.11.7.6	2.4.10.9.9	2.5.10.0.0	2.6.9.2.3	2.7.8.4.6	2.8.7.6.9	2.9.6.9.0
3.9.0	1.11.5.3.0	2.0.4.6.0	2.1.3.9.0	2.2.3.0.0	2.3.2.3.0	2.4.1.6.0	2.5.0.9.0	2.6.0.0.0	2.6.11.3.0	2.7.10.6.0	2.8.9.9.0	2.9.9.0.0
¼	1.11.6.9.9	2.0.6.1.6	2.1.5.5.3	2.2.4.9.0	2.3.4.0.9	2.4.3.4.6	2.5.2.8.3	2.6.2.0.0	2.7.1.3.9	2.8.0.7.6	2.8.11.11.3	2.9.11.3.0
½	1.11.8.4.6	2.0.7.9.0	2.1.7.1.6	2.2.6.6.0	2.3.5.10.6	2.4.5.3.0	2.5.4.7.6	2.6.4.0.0	2.7.3.4.6	2.8.2.9.0	2.9.2.1.6	2.10.1.6.0
¾	1.11.9.11.3	2.0.9.4.6	2.1.8.9.9	2.2.8.3.0	2.3.7.8.3	2.4.7.1.6	2.5.6.6.9	2.6.6.0.0	2.7.5.5.3	2.8.4.10.6	2.9.4.3.9	2.10.3.9.0
3.10.0	1.11.11.6.0	2.0.11.0.0	2.1.10.6.0	2.2.10.0.0	2.3.9.6.0	2.4.9.0.0	2.5.8.6.0	2.6.8.0.0	2.7.7.6.0	2.8.7.0.0	2.9.6.6.0	2.10.6.0.0
¼	2.0.1.0.9	2.1.0.7.6	2.2.0.2.3	2.2.11.9.0	2.3.11.3.9	2.4.10.10.6	2.5.10.5.3	2.6.10.0.0	2.7.9.6.9	2.8.9.1.6	2.9.8.8.3	2.10.8.3.0
½	2.0.2.7.6	2.1.2.3.0	2.2.1.10.6	2.3.1.6.0	2.4.1.1.6	2.5.0.9.0	2.6.0.4.6	2.7.0.0.0	2.7.11.7.6	2.8.11.3.0	2.9.10.10.6	2.10.10.6.0
¾	2.0.4.2.3	2.1.3.10.6	2.2.3.6.9	2.3.3.3.0	2.4.2.11.3	2.5.2.7.6	2.6.2.3.9	2.7.2.0.0	2.8.1.8.3	2.9.1.4.6	2.10.1.0.9	2.11.0.9.0
3.11.0	2.0.5.9.0	2.1.5.6.0	2.2.5.3.0	2.3.5.0.0	2.4.4.9.0	2.5.4.6.0	2.6.4.3.0	2.7.4.0.0	2.8.3.9.0	2.9.3.6.0	2.10.3.3.0	2.11.3.0.0
¼	2.0.7.3.9	2.1.7.1.6	2.2.6.11.3	2.3.6.9.0	2.4.6.6.9	2.5.6.4.6	2.6.6.2.3	2.7.6.0.0	2.8.5.9.9	2.9.5.7.6	2.10.5.5.3	2.11.5.3.0
½	2.0.8.10.6	2.1.8.9.0	2.2.8.7.6	2.3.8.6.0	2.4.8.4.6	2.5.8.3.0	2.6.8.1.6	2.7.8.0.0	2.8.7.10.6	2.9.7.9.0	2.10.7.7.6	2.11.7.6.0
¾	2.0.10.5.3	2.1.10.4.6	2.2.10.3.9	2.3.10.3.0	2.4.10.2.3	2.5.10.1.6	2.6.10.0.9	2.7.10.0.0	2.8.9.11.3	2.9.9.10.6	2.10.9.9.9	2.11.9.9.0
4.0.0	2.1.0.0.0	2.2.0.0.0	2.3.0.0.0	2.4.0.0.0	2.5.0.0.0	2.6.0.0.0	2.7.0.0.0	2.8.0.0.0	2.9.0.0.0	2.10.0.0.0	2.11.0.0.0	3.0.0.0.0
¼	2.1.1.6.9	2.2.1.7.6	2.3.1.8.3	2.4.1.9.0	2.5.1.9.9	2.6.1.10.6	2.7.1.11.3	2.8.2.0.0	2.9.2.0.9	2.10.2.1.6	2.11.2.2.3	3.0.2.3.0
½	2.1.3.1.6	2.2.3.3.0	2.3.3.4.6	2.4.3.6.0	2.5.3.7.6	2.6.3.9.0	2.7.3.10.6	2.8.4.0.0	2.9.4.1.6	2.10.4.3.0	2.11.4.4.6	3.0.4.6.0
¾	2.1.4.8.3	2.2.4.10.6	2.3.5.0.9	2.4.5.3.0	2.5.5.5.3	2.6.5.7.6	2.7.5.9.9	2.8.6.0.0	2.9.6.2.3	2.10.6.4.6	2.11.6.6.9	3.0.6.9.0
4.1.0	2.1.6.3.0	2.2.6.6.0	2.3.6.9.0	2.4.7.0.0	2.5.7.3.0	2.6.7.6.0	2.7.7.9.0	2.8.8.0.0	2.9.8.3.0	2.10.8.6.0	2.11.8.9.0	3.0.9.0.0
¼	2.1.7.9.9	2.2.8.1.6	2.3.8.5.3	2.4.8.9.0	2.5.9.0.9	2.6.9.4.6	2.7.9.8.3	2.8.10.0.0	2.9.10.3.9	2.10.10.7.6	2.11.10.11.3	3.0.11.3.0
½	2.1.9.4.6	2.2.9.9.0	2.3.10.1.6	2.4.10.6.0	2.5.10.10.6	2.6.11.3.0	2.7.11.7.6	2.9.0.0.0	2.10.0.4.6	2.11.0.9.0	3.0.1.1.6	3.1.1.6.0
¾	2.1.10.11.3	2.2.11.4.6	2.3.11.9.9	2.5.0.3.0	2.6.0.8.3	2.7.1.1.6	2.8.1.6.9	2.9.2.0.0	2.10.2.5.3	2.11.2.10.6	3.0.3.3.9	3.1.3.9.0
4.2.0	2.2.0.6.0	2.3.1.0.0	2.4.1.6.0	2.5.2.0.0	2.6.2.6.0	2.7.3.0.0	2.8.3.6.0	2.9.4.0.0	2.10.4.6.0	2.11.5.0.0	3.0.5.6.0	3.1.6.0.0
¼	2.2.2.0.9	2.3.2.7.6	2.4.3.2.3	2.5.3.9.0	2.6.4.3.9	2.7.4.10.6	2.8.5.5.3	2.9.6.0.0	2.10.6.6.9	2.11.7.1.6	3.0.7.8.3	3.1.8.3.0
½	2.2.3.7.6	2.3.4.3.0	2.4.4.10.6	2.5.5.6.0	2.6.6.1.6	2.7.6.9.0	2.8.7.4.6	2.9.8.0.0	2.10.8.7.6	2.11.9.3.0	3.0.9.10.6	3.1.10.6.0
¾	2.2.5.2.3	2.3.5.10.6	2.4.6.6.9	2.5.7.3.0	2.6.7.11.3	2.7.8.7.6	2.8.9.3.9	2.9.10.0.0	2.10.10.8.3	2.11.11.4.6	3.1.0.0.9	3.2.0.9.0
4.3.0	2.2.6.9.0	2.3.7.6.0	2.4.8.3.0	2.5.9.0.0	2.6.9.9.0	2.7.10.6.0	2.8.11.3.0	2.10.0.0.0	2.11.0.9.0	3.0.1.6.0	3.1.2.3.0	3.2.3.0.0
¼	2.2.8.3.9	2.3.9.1.6	2.4.9.11.3	2.5.10.9.0	2.6.11.6.9	2.8.0.4.6	2.9.1.2.3	2.10.2.0.0	2.11.2.9.9	3.0.3.7.6	3.1.4.5.3	3.2.5.3.0
½	2.2.9.10.6	2.3.10.9.0	2.4.11.7.6	2.6.0.6.0	2.7.1.4.6	2.8.2.3.0	2.9.3.1.6	2.10.4.0.0	2.11.4.10.6	3.0.5.9.0	3.1.6.7.6	3.2.7.6.0
¾	2.2.11.5.3	2.4.0.4.6	2.5.1.3.9	2.6.2.3.0	2.7.3.2.3	2.8.4.1.6	2.9.5.0.9	2.10.6.0.0	2.11.6.11.3	3.0.7.10.6	3.1.8.9.9	3.2.9.9.0
4.4.0	2.3.1.0.0	2.4.2.0.0	2.5.3.0.0	2.6.4.0.0	2.7.5.0.0	2.8.6.0.0	2.9.7.0.0	2.10.8.0.0	2.11.9.0.0	3.0.10.0.0	3.1.11.0.0	3.3.0.0.0
¼	2.3.2.6.9	2.4.3.7.6	2.5.4.8.3	2.6.5.9.0	2.7.6.9.9	2.8.7.10.6	2.9.8.11.3	2.10.10.0.0	2.11.11.0.9	3.1.0.1.6	3.2.1.2.3	3.3.2.3.0
½	2.3.4.1.6	2.4.5.3.0	2.5.6.4.6	2.6.7.6.0	2.7.8.7.6	2.8.9.9.0	2.9.10.10.6	2.11.0.0.0	3.0.1.1.6	3.1.2.3.0	3.2.3.4.6	3.3.4.6.0
¾	2.3.5.8.3	2.4.6.10.6	2.5.8.0.9	2.6.9.3.0	2.7.10.5.3	2.8.11.7.6	2.10.0.9.9	2.11.2.0.0	3.0.3.2.3	3.1.4.4.6	3.2.5.6.9	3.3.6.9.0
4.5.0	2.3.7.3.0	2.4.8.6.0	2.5.9.9.0	2.6.11.0.0	2.8.0.3.0	2.9.1.6.0	2.10.2.9.0	2.11.4.0.0	3.0.5.3.0	3.1.6.6.0	3.2.7.9.0	3.3.9.0.0
¼	2.3.8.9.9	2.4.10.1.6	2.5.11.5.3	2.7.0.9.0	2.8.2.0.9	2.9.3.4.6	2.10.4.8.3	2.11.6.0.0	3.0.7.3.9	3.1.8.7.6	3.2.9.11.3	3.3.11.3.0
½	2.3.10.4.6	2.4.11.9.0	2.6.1.1.6	2.7.2.6.0	2.8.3.10.6	2.9.5.3.0	2.10.6.7.6	2.11.8.0.0	3.0.9.4.6	3.1.10.9.0	3.3.0.1.6	3.4.1.6.0
¾	2.3.11.11.3	2.5.1.4.6	2.6.2.9.9	2.7.4.3.0	2.8.5.8.3	2.9.7.1.6	2.10.8.6.9	2.11.10.0.0	3.0.11.5.3	3.2.0.10.6	3.3.2.3.9	3.4.3.9.0
4.6.0	2.4.1.6.0	2.5.3.0.0	2.6.4.6.0	2.7.6.0.0	2.8.7.6.0	2.9.9.0.0	2.10.10.6.0	3.0.0.0.0	3.1.1.6.0	3.2.3.0.0	3.3.4.6.0	3.4.6.0.0
¼	2.4.3.0.9	2.5.4.7.6	2.6.6.2.3	2.7.7.9.0	2.8.9.3.9	2.9.10.10.6	2.11.0.5.3	3.0.2.0.0	3.1.3.6.9	3.2.5.1.6	3.3.6.8.3	3.4.8.3.0
½	2.4.4.7.6	2.5.6.3.0	2.6.7.10.6	2.7.9.6.0	2.8.11.1.6	2.10.0.9.0	2.11.2.4.6	3.0.4.0.0	3.1.5.7.6	3.2.7.3.0	3.3.8.10.6	3.4.10.6.0
¾	2.4.6.2.3	2.5.7.10.6	2.6.9.6.9	2.7.11.3.0	2.9.0.11.3	2.10.2.7.6	2.11.4.3.9	3.0.6.0.0	3.1.7.8.3	3.2.9.4.6	3.3.11.0.9	3.5.0.9.0
4.7.0	2.4.7.9.0	2.5.9.6.0	2.6.11.3.0	2.8.1.0.0	2.9.2.9.0	2.10.4.6.0	2.11.6.3.0	3.0.8.0.0	3.1.9.9.0	3.2.11.6.0	3.4.1.3.0	3.5.3.0.0
¼	2.4.9.3.9	2.5.11.1.6	2.7.0.11.3	2.8.2.9.0	2.9.4.6.9	2.10.6.4.6	2.11.8.2.3	3.0.10.0.0	3.1.11.9.9	3.3.1.7.6	3.4.3.5.3	3.5.5.3.0
½	2.4.10.10.6	2.6.0.9.0	2.7.2.7.6	2.8.4.6.0	2.9.6.4.6	2.10.8.3.0	2.11.10.1.6	3.1.0.0.0	3.2.1.10.6	3.3.3.9.0	3.4.5.7.6	3.5.7.6.0
¾	2.5.0.5.3	2.6.2.4.6	2.7.4.3.9	2.8.6.3.0	2.9.8.2.3	2.10.10.1.6	3.0.0.0.9	3.1.2.0.0	3.2.3.11.3	3.3.5.10.6	3.4.7.9.9	3.5.9.9.0
4.8.0	2.5.2.0.0	2.6.4.0.0	2.7.6.0.0	2.8.8.0.0	2.9.10.0.0	2.11.0.0.0	3.0.2.0.0	3.1.4.0.0	3.2.6.0.0	3.3.8.0.0	3.4.10.0.0	3.6.0.0.0
¼	2.5.3.6.9	2.6.5.7.6	2.7.7.8.3	2.8.9.9.0	2.9.11.9.9	2.11.1.10.6	3.0.3.11.3	3.1.6.0.0	3.2.8.0.9	3.3.10.1.6	3.5.0.2.3	3.6.2.3.0
½	2.5.5.1.6	2.6.7.3.0	2.7.9.4.6	2.8.11.6.0	2.10.1.7.6	2.11.3.9.0	3.0.5.10.6	3.1.8.0.0	3.2.10.1.6	3.4.0.3.0	3.5.2.4.6	3.6.4.6.0
¾	2.5.6.8.3	2.6.8.10.6	2.7.11.0.9	2.9.1.3.0	2.10.3.5.3	2.11.5.7.6	3.0.7.9.9	3.1.10.0.0	3.3.0.2.3	3.4.2.4.6	3.5.4.6.9	3.6.6.9.0
4.9.0	2.5.8.3.0	2.6.10.6.0	2.8.0.9.0	2.9.3.0.0	2.10.5.3.0	2.11.7.6.0	3.0.9.9.0	3.2.0.0.0	3.3.2.3.0	3.4.4.6.0	3.5.6.9.0	3.6.9.0.0
¼	2.5.9.9.9	2.7.0.1.6	2.8.2.5.3	2.9.4.9.0	2.10.7.0.9	2.11.9.4.6	3.0.11.8.3	3.2.2.0.0	3.3.4.3.9	3.4.6.7.6	3.5.8.11.3	3.6.11.3.0
½	2.5.11.4.6	2.7.1.9.0	2.8.4.1.6	2.9.6.6.0	2.10.8.10.6	2.11.11.3.0	3.1.1.7.6	3.2.4.0.0	3.3.6.4.6	3.4.8.9.0	3.5.11.1.6	3.7.1.6.0
¾	2.6.0.11.3	2.7.3.4.6	2.8.5.9.9	2.9.8.3.0	2.10.10.8.3	3.0.1.1.6	3.1.3.6.9	3.2.6.0.0	3.3.8.5.3	3.4.10.10.6	3.6.1.3.9	3.7.3.9.0
4.10.0	2.6.2.6.0	2.7.5.0.0	2.8.7.6.0	2.9.10.0.0	2.11.0.6.0	3.0.3.0.0	3.1.5.6.0	3.2.8.0.0	3.3.10.6.0	3.5.1.0.0	3.6.3.6.0	3.7.6.0.0
¼	2.6.4.0.9	2.7.6.7.6	2.8.9.2.3	2.9.11.9.0	2.11.2.3.9	3.0.4.10.6	3.1.7.5.3	3.2.10.0.0	3.4.0.6.9	3.5.3.1.6	3.6.5.8.3	3.7.8.3.0
½	2.6.5.7.6	2.7.8.3.0	2.8.10.10.6	2.10.1.6.0	2.11.4.1.6	3.0.6.9.0	3.1.9.4.6	3.3.0.0.0	3.4.2.7.6	3.5.5.3.0	3.6.7.10.6	3.7.10.6.0
¾	2.6.7.2.3	2.7.9.10.6	2.9.0.6.9	2.10.3.3.0	2.11.5.11.3	3.0.8.7.6	3.1.11.3.9	3.3.2.0.0	3.4.4.8.3	3.5.7.4.6	3.6.10.0.9	3.8.0.9.0
4.11.0	2.6.8.9.0	2.7.11.6.0	2.9.2.3.0	2.10.5.0.0	2.11.7.9.0	3.0.10.6.0	3.2.1.3.0	3.3.4.0.0	3.4.6.9.0	3.5.9.6.0	3.7.0.3.0	3.8.3.0.0
¼	2.6.10.3.9	2.8.1.1.6	2.9.3.11.3	2.10.6.9.0	2.11.9.6.9	3.1.0.4.6	3.2.3.2.3	3.3.6.0.0	3.4.8.9.9	3.5.11.7.6	3.7.2.5.3	3.8.5.3.0
½	2.6.11.10.6	2.8.2.9.0	2.9.5.7.6	2.10.8.6.0	2.11.11.4.6	3.1.2.3.0	3.2.5.1.6	3.3.8.0.0	3.4.10.10.6	3.6.1.9.0	3.7.4.7.6	3.8.7.6.0
¾	2.7.1.5.3	2.8.4.4.6	2.9.7.3.9	2.10.10.3.0	3.0.1.2.3	3.1.4.1.6	3.2.7.0.9	3.3.10.0.0	3.5.0.11.3	3.6.3.10.6	3.7.6.9.9	3.8.9.9.0
5.0.0	2.7.3.0.0	2.8.6.0.0	2.9.9.0.0	2.11.0.0.0	3.0.3.0.0	3.1.6.0.0	3.2.9.0.0	3.4.0.0.0	3.5.3.0.0	3.6.6.0.0	3.7.9.0.0	3.9.0.0.0
¼	2.7.4.6.9	2.8.7.7.6	2.9.10.8.3	2.11.1.9.0	3.0.4.9.9	3.1.7.10.6	3.2.10.11.3	3.4.2.0.0	3.5.5.0.9	3.6.8.1.6	3.7.11.2.3	3.9.2.3.0
½	2.7.6.1.6	2.8.9.3.0	2.10.0.4.6	2.11.3.6.0	3.0.6.7.6	3.1.9.9.0	3.3.0.10.6	3.4.4.0.0	3.5.7.1.6	3.6.10.3.0	3.8.1.4.6	3.9.4.6.0
¾	2.7.7.8.3	2.8.10.10.6	2.10.2.0.9	2.11.5.3.0	3.0.8.5.3	3.1.11.7.6	3.3.2.9.9	3.4.6.0.0	3.5.9.2.3	3.7.0.4.6	3.8.3.6.9	3.9.6.9.0
5.1.0	2.7.9.3.0	2.9.0.6.0	2.10.3.9.0	2.11.7.0.0	3.0.10.3.0	3.2.1.6.0	3.3.4.9.0	3.4.8.0.0	3.5.11.3.0	3.7.2.6.0	3.8.5.9.0	3.9.9.0.0
¼	2.7.10.9.9	2.9.2.1.6	2.10.5.5.3	2.11.8.9.0	3.1.0.0.9	3.2.3.4.6	3.3.6.8.3	3.4.10.0.0	3.6.1.3.9	3.7.4.7.6	3.8.7.11.3	3.9.11.3.0
½	2.8.0.4.6	2.9.3.9.0	2.10.7.1.6	2.11.10.6.0	3.1.1.10.6	3.2.5.3.0	3.3.8.7.6	3.5.0.0.0	3.6.3.4.6	3.7.6.9.0	3.8.10.1.6	3.10.1.6.0
¾	2.8.1.11.3	2.9.5.4.6	2.10.8.9.9	3.0.0.3.0	3.1.3.8.3	3.2.7.1.6	3.3.10.6.9	3.5.2.0.0	3.6.5.5.3	3.7.8.10.6	3.9.0.3.9	3.10.3.9.0
5.2.0	2.8.3.6.0	2.9.7.0.0	2.10.10.6.0	3.0.2.0.0	3.1.5.6.0	3.2.9.0.0	3.4.0.6.0	3.5.4.0.0	3.6.7.6.0	3.7.11.0.0	3.9.2.6.0	3.10.6.0.0
¼	2.8.5.0.9	2.9.8.7.6	2.11.0.2.3	3.0.3.9.0	3.1.7.3.9	3.2.10.10.6	3.4.2.5.3	3.5.6.0.0	3.6.9.6.9	3.8.1.1.6	3.9.4.8.3	3.10.8.3.0
½	2.8.6.7.6	2.9.10.3.0	2.11.1.10.6	3.0.5.6.0	3.1.9.1.6	3.3.0.9.0	3.4.4.4.6	3.5.8.0.0	3.6.11.7.6	3.8.3.3.0	3.9.6.10.6	3.10.10.6.0
¾	2.8.8.2.3	2.9.11.10.6	2.11.3.6.9	3.0.7.3.0	3.1.10.11.3	3.3.2.7.6	3.4.6.3.9	3.5.10.0.0	3.7.1.8.3	3.8.5.4.6	3.9.9.0.9	3.11.0.9.0
5.3.0	2.8.9.9.0	2.10.1.6.0	2.11.5.3.0	3.0.9.0.0	3.2.0.9.0	3.3.4.6.0	3.4.8.3.0	3.6.0.0.0	3.7.3.9.0	3.8.7.6.0	3.9.11.3.0	3.11.3.0.0
¼	2.8.11.3.9	2.10.3.1.6	2.11.6.11.3	3.0.10.9.0	3.2.2.6.9	3.3.6.4.6	3.4.10.2.3	3.6.2.0.0	3.7.5.9.9	3.8.9.7.6	3.10.1.5.3	3.11.5.3.0
½	2.9.0.10.6	2.10.4.9.0	2.11.8.7.6	3.1.0.6.0	3.2.4.4.6	3.3.8.3.0	3.5.0.1.6	3.6.4.0.0	3.7.7.10.6	3.8.11.9.0	3.10.3.7.6	3.11.7.6.0
¾	2.9.2.5.3	2.10.6.4.6	2.11.10.3.9	3.1.2.3.0	3.2.6.2.3	3.3.10.1.6	3.5.2.0.9	3.6.6.0.0	3.7.9.11.3	3.9.1.10.6	3.10.5.9.9	3.11.9.9.0
5.4.0	2.9.4.0.0	2.10.8.0.0	3.0.0.0.0	3.1.4.0.0	3.2.8.0.0	3.4.0.0.0	3.5.4.0.0	3.6.8.0.0	3.8.0.0.0	3.9.4.0.0	3.10.8.0.0	4.0.0.0.0
¼	2.9.5.6.9	2.10.9.7.6	3.0.1.8.3	3.1.5.9.0	3.2.9.9.9	3.4.1.10.6	3.5.5.11.3	3.6.10.0.0	3.8.2.0.9	3.9.6.1.6	3.10.10.2.3	4.0.2.3.0
½	2.9.7.1.6	2.10.11.3.0	3.0.3.4.6	3.1.7.6.0	3.2.11.7.6	3.4.3.9.0	3.5.7.10.6	3.7.0.0.0	3.8.4.1.6	3.9.8.3.0	3.11.0.4.6	4.0.4.6.0
¾	2.9.8.8.3	2.11.0.10.6	3.0.5.0.9	3.1.9.3.0	3.3.1.5.3	3.4.5.7.6	3.5.9.9.9	3.7.2.0.0	3.8.6.2.3	3.9.10.4.6	3.11.2.6.9	4.0.6.9.0
5.5.0	2.9.10.3.0	2.11.2.6.0	3.0.6.9.0	3.1.11.0.0	3.3.3.3.0	3.4.7.6.0	3.5.11.9.0	3.7.4.0.0	3.8.8.3.0	3.10.0.6.0	3.11.4.9.0	4.0.9.0.0
¼	2.9.11.9.9	2.11.4.1.6	3.0.8.5.3	3.2.0.9.0	3.3.5.0.9	3.4.9.4.6	3.6.1.8.3	3.7.6.0.0	3.8.10.3.9	3.10.2.7.6	3.11.6.11.3	4.0.11.3.0
½	2.10.1.4.6	2.11.5.9.0	3.0.10.1.6	3.2.2.6.0	3.3.6.10.6	3.4.11.3.0	3.6.3.7.6	3.7.8.0.0	3.9.0.4.6	3.10.4.9.0	3.11.9.1.6	4.1.1.6.0
¾	2.10.2.11.3	2.11.7.4.6	3.0.11.9.9	3.2.4.3.0	3.3.8.8.3	3.5.1.1.6	3.6.5.6.9	3.7.10.0.0	3.9.2.5.3	3.10.6.10.6	3.11.11.3.9	4.1.3.9.0

A TABLE OF FEET AND INCHES.

from 5 foot 6 inches by 6 inches and 1 quarter to 7 foot 11 inches and 3 quarters by 9 inches

F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	0.6.¼	0.6.½	0.6.¾	0.7.0	0.7.¼	0.7.½	0.7.¾	0.8.0	0.8.¼	0.8.½	0.8.¾	0.9.0
5.6.0	2.10.4.6.0	2.11.9.0.0	3.1.1.6.0	3.2.6.0.0	3.3.10.6.0	3.5.3.0.0	3.6.7.6.0	3.8.0.0.0	3.9.4.6.0	3.10.9.0.0	4.0.1.6.0	4.1.6.0.0
¼	2.10.6.0.9	2.11.10.7.6	3.1.3.2.3	3.2.7.9.0	3.4.0.3.9	3.5.4.10.6	3.6.9.5.3	3.8.2.0.0	3.9.6.6.9	3.10.11.1.6	4.0.3.8.3	4.1.8.9.0
½	2.10.7.7.6	3.0.0.3.0	3.1.4.10.6	3.2.9.6.0	3.4.2.1.6	3.5.6.9.0	3.6.11.4.6	3.8.4.0.0	3.9.8.7.6	3.11.1.3.0	4.0.5.10.6	4.1.10.6.0
¾	2.10.9.2.3	3.0.1.10.6	3.1.6.6.9	3.2.11.3.0	3.4.3.11.3	3.5.8.7.6	3.7.1.3.9	3.8.6.0.0	3.9.10.8.3	3.11.3.4.6	4.0.8.0.9	4.2.0.9.0
5.7.0	2.10.10.9.0	3.0.3.6.0	3.1.8.3.0	3.3.1.0.0	3.4.5.9.0	3.5.10.6.0	3.7.3.3.0	3.8.8.0.0	3.10.0.9.0	3.11.5.6.0	4.0.10.3.0	4.2.3.0.0
¼	2.11.0.3.9	3.0.5.1.6	3.1.9.11.3	3.3.2.9.0	3.4.7.6.9	3.6.0.4.6	3.7.5.2.3	3.8.10.0.0	3.10.2.9.9	3.11.7.7.6	4.1.0.5.3	4.2.5.3.0
½	2.11.1.10.6	3.0.6.9.0	3.1.11.7.6	3.3.4.6.0	3.4.9.4.6	3.6.2.3.0	3.7.7.1.6	3.9.0.0.0	3.10.4.10.6	3.11.9.9.0	4.1.2.7.6	4.2.7.6.0
¾	2.11.3.5.3	3.0.8.4.6	3.2.1.3.9	3.3.6.3.0	3.4.11.2.3	3.6.4.1.6	3.7.9.0.9	3.9.2.0.0	3.10.6.11.3	3.11.11.10.6	4.1.4.9.9	4.2.9.9.0
5.8.0	2.11.5.0.0	3.0.10.0.0	3.2.3.0.0	3.3.8.0.0	3.5.1.0.0	3.6.6.0.0	3.7.11.0.0	3.9.4.0.0	3.10.9.0.0	4.0.2.0.0	4.1.7.0.0	4.3.0.0.0
¼	2.11.6.6.9	3.0.11.7.6	3.2.4.8.3	3.3.9.9.0	3.5.2.9.9	3.6.7.10.6	3.8.0.11.3	3.9.6.0.0	3.10.11.0.9	4.0.4.1.6	4.1.9.2.3	4.3.2.3.0
½	2.11.8.1.6	3.1.1.3.0	3.2.6.4.6	3.3.11.6.0	3.5.4.7.6	3.6.9.9.0	3.8.2.10.6	3.9.8.0.0	3.11.1.1.6	4.0.6.3.0	4.1.11.4.6	4.3.4.6.0
¾	2.11.9.8.3	3.1.2.10.6	3.2.8.0.9	3.4.1.3.0	3.5.6.5.3	3.6.11.7.6	3.8.4.9.9	3.9.10.0.0	3.11.3.2.3	4.0.8.4.6	4.2.1.6.9	4.3.6.9.0
5.9.0	2.11.11.3.0	3.1.4.6.0	3.2.9.9.0	3.4.3.0.0	3.5.8.3.0	3.7.1.6.0	3.8.6.9.0	3.10.0.0.0	3.11.5.3.0	4.0.10.6.0	4.2.3.9.0	4.3.9.0.0
¼	3.0.0.9.9	3.1.6.1.6	3.2.11.5.3	3.4.4.9.0	3.5.10.0.9	3.7.3.4.6	3.8.8.8.3	3.10.2.0.0	3.11.7.3.9	4.1.0.7.6	4.2.5.11.3	4.3.11.3.0
½	3.0.2.4.6	3.1.7.9.0	3.3.1.1.6	3.4.6.6.0	3.5.11.10.6	3.7.5.3.0	3.8.10.7.6	3.10.4.0.0	3.11.9.4.6	4.1.2.9.0	4.2.8.1.6	4.4.1.6.0
¾	3.0.3.11.3	3.1.9.4.6	3.3.2.9.9	3.4.8.3.0	3.6.1.8.3	3.7.7.1.6	3.9.0.6.9	3.10.6.0.0	3.11.11.5.3	4.1.4.10.6	4.2.10.3.9	4.4.3.9.0
5.10.0	3.0.5.6.0	3.1.11.0.0	3.3.4.6.0	3.4.10.0.0	3.6.3.6.0	3.7.9.0.0	3.9.2.6.0	3.10.8.0.0	4.0.1.6.0	4.1.7.0.0	4.3.0.6.0	4.4.6.0.0
¼	3.0.7.0.9	3.2.0.7.6	3.3.6.2.3	3.4.11.9.0	3.6.5.3.9	3.7.10.10.6	3.9.4.5.3	3.10.10.0.0	4.0.3.6.9	4.1.9.1.6	4.3.2.8.3	4.4.8.3.0
½	3.0.8.7.6	3.2.2.3.0	3.3.7.10.6	3.5.1.6.0	3.6.7.1.6	3.8.0.9.0	3.9.6.4.6	3.11.0.0.0	4.0.5.7.6	4.1.11.3.0	4.3.4.10.6	4.4.10.6.0
¾	3.0.10.2.3	3.2.3.10.6	3.3.9.6.9	3.5.3.3.0	3.6.8.11.3	3.8.2.7.6	3.9.8.3.9	3.11.2.0.0	4.0.7.8.3	4.2.1.4.6	4.3.7.0.9	4.5.0.9.0
5.11.0	3.0.11.9.0	3.2.5.6.0	3.3.11.3.0	3.5.5.0.0	3.6.10.9.0	3.8.4.6.0	3.9.10.3.0	3.11.4.0.0	4.0.9.9.0	4.2.3.6.0	4.3.9.3.0	4.5.3.0.0
¼	3.1.1.3.9	3.2.7.1.6	3.4.0.11.3	3.5.6.9.0	3.7.0.6.9	3.8.6.4.6	3.10.0.2.3	3.11.6.0.0	4.0.11.9.9	4.2.5.7.6	4.3.11.5.3	4.5.5.3.0
½	3.1.2.10.6	3.2.8.9.0	3.4.2.7.6	3.5.8.6.0	3.7.2.4.6	3.8.8.3.0	3.10.2.1.6	3.11.8.0.0	4.1.1.10.6	4.2.7.9.0	4.4.1.7.6	4.5.7.6.0
¾	3.1.4.5.3	3.2.10.4.6	3.4.4.3.9	3.5.10.3.0	3.7.4.2.3	3.8.10.1.6	3.10.4.0.9	3.11.10.0.0	4.1.3.11.3	4.2.9.10.6	4.4.3.9.9	4.5.9.9.0
6.0.0	3.1.6.0.0	3.3.0.0.0	3.4.6.0.0	3.6.0.0.0	3.7.6.0.0	3.9.0.0.0	3.10.6.0.0	4.0.0.0.0	4.1.6.0.0	4.3.0.0.0	4.4.6.0.0	4.6.0.0.0
¼	3.1.7.6.9	3.3.1.7.6	3.4.7.8.3	3.6.1.9.0	3.7.7.9.9	3.9.1.10.6	3.10.7.11.3	4.0.2.0.0	4.1.8.0.9	4.3.2.1.6	4.4.8.2.3	4.6.2.3.0
½	3.1.9.1.6	3.3.3.3.0	3.4.9.4.6	3.6.3.6.0	3.7.9.7.6	3.9.3.9.0	3.10.9.10.6	4.0.4.0.0	4.1.10.1.6	4.3.4.3.0	4.4.10.4.6	4.6.4.6.0
¾	3.1.10.8.3	3.3.4.10.6	3.4.11.0.9	3.6.5.3.0	3.7.11.5.3	3.9.5.7.6	3.10.11.9.9	4.0.6.0.0	4.2.0.2.3	4.3.6.4.6	4.5.0.6.9	4.6.6.9.0
6.1.0	3.2.0.3.0	3.3.6.6.0	3.5.0.9.0	3.6.7.0.0	3.8.1.3.0	3.9.7.6.0	3.11.1.9.0	4.0.8.0.0	4.2.2.3.0	4.3.8.6.0	4.5.2.9.0	4.6.9.0.0
¼	3.2.1.9.9	3.3.8.1.6	3.5.2.5.3	3.6.8.9.0	3.8.3.0.9	3.9.9.4.6	3.11.3.8.3	4.0.10.0.0	4.2.4.3.9	4.3.10.7.6	4.5.4.11.3	4.6.11.3.0
½	3.2.3.4.6	3.3.9.9.0	3.5.4.1.6	3.6.10.6.0	3.8.4.10.6	3.9.11.3.0	3.11.5.7.6	4.1.0.0.0	4.2.6.4.6	4.4.0.9.0	4.5.7.1.6	4.7.1.6.0
¾	3.2.4.11.3	3.3.11.4.6	3.5.5.9.9	3.7.0.3.0	3.8.6.8.3	3.10.1.1.6	3.11.7.6.9	4.1.2.0.0	4.2.8.5.3	4.4.2.10.6	4.5.9.3.9	4.7.3.9.0
6.2.0	3.2.6.6.0	3.4.1.0.0	3.5.7.6.0	3.7.2.0.0	3.8.8.6.0	3.10.3.0.0	3.11.9.6.0	4.1.4.0.0	4.2.10.6.0	4.4.5.0.0	4.5.11.6.0	4.7.6.0.0
¼	3.2.8.0.9	3.4.2.7.6	3.5.9.2.3	3.7.3.9.0	3.8.10.3.9	3.10.4.10.6	3.11.11.5.3	4.1.6.0.0	4.3.0.6.9	4.4.7.1.6	4.6.1.8.3	4.7.8.3.0
½	3.2.9.7.6	3.4.4.3.0	3.5.10.10.6	3.7.5.6.0	3.9.0.1.6	3.10.6.9.0	4.0.1.4.6	4.1.8.0.0	4.3.2.7.6	4.4.9.3.0	4.6.3.10.6	4.7.10.6.0
¾	3.2.11.2.3	3.4.5.10.6	3.6.0.6.9	3.7.7.3.0	3.9.1.11.3	3.10.8.7.6	4.0.3.3.9	4.1.10.0.0	4.3.4.8.3	4.4.11.4.6	4.6.6.0.9	4.8.0.9.0
6.3.0	3.3.0.9.0	3.4.7.6.0	3.6.2.3.0	3.7.9.0.0	3.9.3.9.0	3.10.10.6.0	4.0.5.3.0	4.2.0.0.0	4.3.6.9.0	4.5.1.6.0	4.6.8.3.0	4.8.3.0.0
¼	3.3.2.3.9	3.4.9.1.6	3.6.3.11.3	3.7.10.9.0	3.9.5.6.9	3.11.0.4.6	4.0.7.2.3	4.2.2.0.0	4.3.8.9.9	4.5.3.7.6	4.6.10.5.3	4.8.5.3.0
½	3.3.3.10.6	3.4.10.9.0	3.6.5.7.6	3.8.0.6.0	3.9.7.4.6	3.11.2.3.0	4.0.9.1.6	4.2.4.0.0	4.3.10.10.6	4.5.5.9.0	4.7.0.7.6	4.8.7.6.0
¾	3.3.5.5.3	3.5.0.4.6	3.6.7.3.9	3.8.2.3.0	3.9.9.2.3	3.11.4.1.6	4.0.11.0.9	4.2.6.0.0	4.4.0.11.3	4.5.7.10.6	4.7.2.9.9	4.8.9.9.0
6.4.0	3.3.7.0.0	3.5.2.0.0	3.6.9.0.0	3.8.4.0.0	3.9.11.0.0	3.11.6.0.0	4.1.1.0.0	4.2.8.0.0	4.4.3.0.0	4.5.10.0.0	4.7.5.0.0	4.0.0.0.0
¼	3.3.8.6.9	3.5.3.7.6	3.6.10.8.3	3.8.5.9.0	3.10.0.9.9	3.11.7.10.6	4.1.2.11.3	4.2.10.0.0	4.4.5.0.9	4.6.0.1.6	4.7.7.2.3	4.9.2.3.0
½	3.3.10.1.6	3.5.5.3.0	3.7.0.4.6	3.8.7.6.0	3.10.2.7.6	3.11.9.9.0	4.1.4.10.6	4.3.0.0.0	4.4.7.1.6	4.6.2.3.0	4.7.9.4.6	4.9.4.6.0
¾	3.3.11.8.3	3.5.6.10.6	3.7.2.0.9	3.8.9.3.0	3.10.4.5.3	3.11.10.7.6	4.1.6.9.9	4.3.2.0.0	4.4.9.2.3	4.6.4.4.6	4.7.11.6.9	4.9.6.9.0
6.5.0	3.4.1.3.0	3.5.8.6.0	3.7.3.9.0	3.8.11.0.0	3.10.6.3.0	4.0.1.6.0	4.1.8.9.0	4.3.4.0.0	4.4.11.3.0	4.6.6.6.0	4.8.1.9.0	4.9.9.0.0
¼	3.4.2.9.9	3.5.10.1.6	3.7.5.5.3	3.9.0.9.0	3.10.8.0.9	4.0.3.4.6	4.1.10.8.3	4.3.6.0.0	4.5.1.3.9	4.6.8.7.6	4.8.3.11.3	4.9.11.3.0
½	3.4.4.4.6	3.5.11.9.0	3.7.7.1.6	3.9.2.6.0	3.10.9.10.6	4.0.5.3.0	4.2.0.7.6	4.3.8.0.0	4.5.3.4.6	4.6.10.9.0	4.8.6.1.6	4.10.1.6.0
¾	3.4.5.11.3	3.6.1.4.6	3.7.8.9.9	3.9.4.3.0	3.10.11.8.3	4.0.7.1.6	4.2.2.6.9	4.3.10.0.0	4.5.5.5.3	4.7.0.10.6	4.8.8.3.9	4.10.3.9.0
6.6.0	3.4.7.6.0	3.6.3.0.0	3.7.10.6.0	3.9.6.0.0	3.11.1.6.0	4.0.9.0.0	4.2.4.6.0	4.4.0.0.0	4.5.7.6.0	4.7.3.0.0	4.8.10.6.0	4.10.6.0.0
¼	3.4.9.0.9	3.6.4.7.6	3.8.0.2.3	3.9.7.9.0	3.11.3.3.9	4.0.10.10.6	4.2.6.5.3	4.4.2.0.0	4.5.9.6.9	4.7.5.1.6	4.9.0.8.3	4.10.8.3.0
½	3.4.10.7.6	3.6.6.3.0	3.8.1.10.6	3.9.9.6.0	3.11.5.1.6	4.1.0.9.0	4.2.8.4.6	4.4.4.0.0	4.5.11.7.6	4.7.7.3.0	4.9.2.10.6	4.10.10.6.0
¾	3.5.0.2.3	3.6.7.10.6	3.8.3.6.9	3.9.11.3.0	3.11.6.11.3	4.1.2.7.6	4.2.10.3.9	4.4.6.0.0	4.6.1.8.3	4.7.9.4.6	4.9.5.0.9	4.11.0.9.0
6.7.0	3.5.1.9.0	3.6.9.6.0	3.8.5.3.0	3.10.1.0.0	3.11.8.9.0	4.1.4.6.0	4.3.0.3.0	4.4.8.0.0	4.6.3.9.0	4.7.11.6.0	4.9.7.3.0	4.11.3.0.0
¼	3.5.3.3.9	3.6.11.1.6	3.8.6.11.3	3.10.2.9.0	3.11.10.6.9	4.1.6.4.6	4.3.2.2.3	4.4.10.0.0	4.6.5.9.9	4.8.1.7.6	4.9.9.5.3	4.11.5.3.0
½	3.5.4.10.6	3.7.0.9.0	3.8.8.7.6	3.10.4.6.0	4.0.0.4.6	4.1.8.3.0	4.3.4.1.6	4.5.0.0.0	4.6.7.10.6	4.8.3.9.0	4.9.11.7.6	4.11.7.6.0
¾	3.5.6.5.3	3.7.2.4.6	3.8.10.3.9	3.10.6.3.0	4.0.2.2.3	4.1.10.1.6	4.3.6.0.9	4.5.2.0.0	4.6.9.11.3	4.8.5.10.6	4.10.1.9.9	4.11.9.9.0
6.8.0	3.5.8.0.0	3.7.4.0.0	3.9.0.0.0	3.10.8.0.0	4.0.4.0.0	4.2.0.0.0	4.3.8.0.0	4.5.4.0.0	4.7.0.0.0	4.8.8.0.0	4.10.4.0.0	5.0.0.0.0
¼	3.5.9.6.9	3.7.5.7.6	3.9.1.8.3	3.10.9.9.0	4.0.5.9.9	4.2.1.10.6	4.3.9.11.3	4.5.6.0.0	4.7.2.0.9	4.8.10.1.6	4.10.6.2.3	5.0.2.3.0
½	3.5.11.1.6	3.7.7.3.0	3.9.3.4.6	3.10.11.6.0	4.0.7.7.6	4.2.3.9.0	4.3.11.10.6	4.5.8.0.0	4.7.4.1.6	4.9.0.3.0	4.10.8.4.6	5.0.4.6.0
¾	3.6.0.8.3	3.7.8.10.6	3.9.5.0.9	3.11.1.3.0	4.0.9.5.3	4.2.5.7.6	4.4.1.9.9	4.5.10.0.0	4.7.6.2.3	4.9.2.4.6	4.10.10.6.9	5.0.6.9.0
6.9.0	3.6.2.3.0	3.7.10.6.0	3.9.6.9.0	3.11.3.0.0	4.0.11.3.0	4.2.7.6.0	4.4.3.9.0	4.6.0.0.0	4.7.8.3.0	4.9.4.6.0	4.11.0.9.0	5.0.9.0.0
¼	3.6.3.9.9	3.8.0.1.6	3.9.8.5.3	3.11.4.9.0	4.1.1.0.9	4.2.9.4.6	4.4.5.8.3	4.6.2.0.0	4.7.10.3.9	4.9.6.7.6	4.11.2.11.3	5.0.11.3.0
½	3.6.5.4.6	3.8.1.9.0	3.9.10.1.6	3.11.6.6.0	4.1.2.10.6	4.2.11.3.0	4.4.7.7.6	4.6.4.0.0	4.8.0.4.6	4.9.8.9.0	4.11.5.1.6	5.1.1.6.0
¾	3.6.6.11.3	3.8.3.4.6	3.9.11.9.9	3.11.8.3.0	4.1.4.8.3	4.3.1.1.6	4.4.9.6.9	4.6.6.0.0	4.8.2.5.3	4.9.10.10.6	4.11.7.3.9	5.1.3.9.0
6.10.0	3.6.8.6.0	3.8.5.0.0	3.10.1.6.0	3.11.10.0.0	4.1.6.6.0	4.3.3.0.0	4.4.11.6.0	4.6.8.0.0	4.8.4.6.0	4.10.1.0.0	4.11.9.6.0	5.1.6.0.0
¼	3.6.10.0.9	3.8.6.7.6	3.10.3.2.3	3.11.11.9.0	4.1.8.3.9	4.3.4.10.6	4.5.1.5.3	4.6.10.0.0	4.8.6.6.9	4.10.3.1.6	4.11.11.8.3	5.1.8.3.0
½	3.6.11.7.6	3.8.8.3.0	3.10.4.10.6	4.0.1.6.0	4.1.10.1.6	4.3.6.9.0	4.5.3.4.6	4.7.0.0.0	4.8.8.7.6	4.10.5.3.0	5.0.1.10.6	5.1.10.6.0
¾	3.7.1.2.3	3.8.9.10.6	3.10.6.6.9	4.0.3.3.0	4.1.11.11.3	4.3.8.7.6	4.5.5.3.9	4.7.2.0.0	4.8.10.8.3	4.10.7.4.6	5.0.4.0.9	5.2.0.9.0
6.11.0	3.7.2.9.0	3.8.11.6.0	3.10.8.3.0	4.0.5.0.0	4.2.1.9.0	4.3.10.6.0	4.5.7.3.0	4.7.4.0.0	4.9.0.9.0	4.10.9.6.0	5.0.6.3.0	5.2.3.0.0
¼	3.7.4.3.9	3.9.1.1.6	3.10.9.11.3	4.0.6.9.0	4.2.3.6.9	4.4.0.4.6	4.5.9.2.3	4.7.6.0.0	4.9.2.9.9	4.10.11.7.6	5.0.8.5.3	5.2.5.3.0
½	3.7.5.10.6	3.9.2.9.0	3.10.11.7.6	4.0.8.6.0	4.2.5.4.6	4.4.2.3.0	4.5.11.1.6	4.7.8.0.0	4.9.4.10.6	4.11.1.9.0	5.0.10.7.6	5.2.7.6.0
¾	3.7.7.5.3	3.9.4.4.6	3.11.1.3.9	4.0.10.3.0	4.2.7.2.3	4.4.4.1.6	4.6.1.0.9	4.7.10.0.0	4.9.6.11.3	4.11.3.10.6	5.1.0.9.9	5.2.9.9.0
7.0.0	3.7.9.0.0	3.9.6.0.0	3.11.3.0.0	4.1.0.0.0	4.2.9.0.0	4.4.6.0.0	4.6.3.0.0	4.8.0.0.0	4.9.9.0.0	4.11.6.0.0	5.1.3.0.0	5.3.0.0.0
¼	3.7.10.6.9	3.9.7.7.6	3.11.4.8.3	4.1.1.9.0	4.2.10.9.9	4.4.7.10.6	4.6.4.11.3	4.8.2.0.0	4.9.11.0.9	4.11.8.1.6	5.1.5.2.3	5.3.2.3.0
½	3.8.0.1.6	3.9.9.3.0	3.11.6.4.6	4.1.3.6.0	4.3.0.7.6	4.4.9.9.0	4.6.6.10.6	4.8.4.0.0	4.10.1.1.6	4.11.10.3.0	5.1.7.4.6	5.3.4.6.0
¾	3.8.1.8.3	3.9.10.10.6	3.11.8.0.9	4.1.5.3.0	4.3.2.5.3	4.4.11.7.6	4.6.8.9.9	4.8.6.0.0	4.10.3.2.3	5.0.0.4.6	5.1.9.6.9	5.3.6.9.0
7.1.0	3.8.3.3.0	3.10.0.6.0	3.11.9.9.0	4.1.7.0.0	4.3.4.3.0	4.5.1.6.0	4.6.10.9.0	4.8.8.0.0	4.10.5.3.0	5.0.2.6.0	5.1.11.9.0	5.3.9.0.0
¼	3.8.4.9.9	3.10.2.1.6	3.11.11.5.3	4.1.8.9.0	4.3.6.0.9	4.5.3.4.6	4.7.0.8.3	4.8.10.0.0	4.10.7.3.9	5.0.4.7.6	5.2.1.11.3	5.3.11.3.0
½	3.8.6.4.6	3.10.3.9.0	4.0.1.1.6	4.1.10.6.0	4.3.7.10.6	4.5.5.3.0	4.7.2.7.6	4.9.0.0.0	4.10.9.4.6	5.0.6.9.0	5.2.4.1.6	5.4.1.6.0
¾	3.8.7.11.3	3.10.5.4.6	4.0.2.9.9	4.2.0.3.0	4.3.9.8.3	4.5.7.1.6	4.7.4.6.9	4.9.2.0.0	4.10.11.5.3	5.0.8.10.6	5.2.6.3.9	5.4.3.9.0
7.2.0	3.8.9.6.0	3.10.7.0.0	4.0.4.6.0	4.2.2.0.0	4.3.11.6.0	4.5.9.0.0	4.7.6.6.0	4.9.4.0.0	4.11.1.6.0	5.0.11.0.0	5.2.8.6.0	5.4.6.0.0
¼	3.8.11.0.9	3.10.8.7.6	4.0.6.2.3	4.2.3.9.0	4.4.1.3.9	4.5.10.10.6	4.7.8.5.3	4.9.6.0.0	4.11.3.6.9	5.1.1.1.6	5.2.10.8.3	5.4.8.3.0
½	3.9.0.7.6	3.10.10.3.0	4.0.7.10.6	4.2.5.6.0	4.4.3.1.6	4.6.0.9.0	4.7.10.4.6	4.9.8.0.0	4.11.5.7.6	5.1.3.3.0	5.3.0.10.6	5.4.10.6.0
¾	3.9.2.2.3	3.10.11.10.6	4.0.9.6.9	4.2.7.3.0	4.4.4.11.3	4.6.2.7.6	4.8.0.3.9	4.9.10.0.0	4.11.7.8.3	5.1.5.4.6	5.3.3.0.9	5.5.0.9.0
7.3.0	3.9.3.9.0	3.11.1.6.0	4.0.11.3.0	4.2.9.0.0	4.4.6.9.0	4.6.4.6.0	4.8.2.3.0	4.10.0.0.0	4.11.9.9.0	5.1.7.6.0	5.3.5.3.0	5.5.3.0.0
¼	3.9.5.3.9	3.11.3.1.6	4.1.0.11.3	4.2.10.9.0	4.4.8.6.9	4.6.6.4.6	4.8.4.2.3	4.10.2.0.0	4.11.11.9.9	5.1.9.7.6	5.3.7.5.3	5.5.5.3.0
½	3.9.6.10.6	3.11.4.9.0	4.1.2.7.6	4.3.0.6.0	4.4.10.4.6	4.6.8.3.0	4.8.6.1.6	4.10.4.0.0	5.0.1.10.6	5.1.11.9.0	5.3.9.7.6	5.5.7.6.0
¾	3.9.8.5.3	3.11.6.4.6	4.1.4.3.9	4.3.2.3.0	4.5.0.2.3	4.6.10.1.6	4.8.8.0.9	4.10.6.0.0	5.0.3.11.3	5.2.1.10.6	5.3.11.9.9	5.5.9.9.0
7.4.0	3.9.10.0.0	3.11.8.0.0	4.1.6.0.0	4.3.4.0.0	4.5.2.0.0	4.7.0.0.0	4.8.10.0.0	4.10.8.0.0	5.0.6.0.0	5.2.4.0.0	5.4.2.0.0	5.6.0.0.0
¼	3.9.11.6.9	3.11.9.7.6	4.1.7.8.3	4.3.5.9.0	4.5.3.9.9	4.7.1.10.6	4.8.11.11.3	4.10.10.0.0	5.0.8.0.9	5.2.6.1.6	5.4.4.2.3	5.6.2.3.0
½	3.10.1.1.6	3.11.11.3.0	4.1.9.4.6	4.3.7.6.0	4.5.5.7.6	4.7.3.9.0	4.9.1.10.6	4.11.0.0.0	5.0.10.1.6	5.2.8.3.0	5.4.6.4.6	5.6.4.6.0
¾	3.10.2.8.3	4.0.0.10.6	4.1.11.0.9	4.3.9.3.0	4.5.7.5.3	4.7.5.7.6	4.9.3.9.9	4.11.2.0.0	5.1.0.2.3	5.2.10.4.6	5.4.8.6.9	5.6.6.9.0
7.5.0	3.10.4.3.0	4.0.2.6.0	4.2.0.9.0	4.3.11.0.0	4.5.9.3.0	4.7.7.6.0	4.9.5.9.0	4.11.4.0.0	5.1.2.3.0	5.3.0.6.0	5.4.10.9.0	5.6.9.0.0
¼	3.10.5.9.9	4.0.4.1.6	4.2.2.5.3	4.4.0.9.0	4.5.11.0.9	4.7.9.4.6	4.9.7.8.3	4.11.6.0.0	5.1.4.3.9	5.3.2.7.6	5.5.0.11.3	5.6.11.3.0
½	3.10.7.4.6	4.0.5.9.0	4.2.4.1.6	4.4.2.6.0	4.6.0.10.6	4.7.11.3.0	4.9.9.7.6	4.11.8.0.0	5.1.6.4.6	5.3.4.9.0	5.5.3.1.6	5.7.1.6.0
¾	3.10.8.11.3	4.0.7.4.6	4.2.5.9.9	4.4.4.3.0	4.6.2.8.3	4.8.1.1.6	4.9.11.6.9	4.11.10.0.0	5.1.8.5.3	5.3.6.10.6	5.5.5.3.9	5.7.3.9.0
7.6.0	3.10.10.6.0	4.0.9.0.0	4.2.7.6.0	4.4.6.0.0	4.6.4.6.0	4.8.3.0.0	4.10.1.6.0	5.0.0.0.0	5.1.10.6.0	5.3.9.0.0	5.5.7.6.0	5.7.6.0.0
¼	3.11.0.0.9	4.0.10.7.6	4.2.9.2.3	4.4.7.9.0	4.6.6.3.9	4.8.4.10.6	4.10.3.5.3	5.0.2.0.0	5.2.0.6.9	5.3.11.1.6	5.5.9.8.3	5.7.8.3.0
½	3.11.1.7.6	4.1.0.3.0	4.2.10.10.6	4.4.9.6.0	4.6.8.1.6	4.8.6.9.0	4.10.5.4.6	5.0.4.0.0	5.2.2.7.6	5.4.1.3.0	5.5.11.10.6	5.7.10.6.0
¾	3.11.3.2.3	4.1.1.10.6	4.3.0.6.9	4.4.11.3.0	4.6.9.11.3	4.8.8.7.6	4.10.7.3.9	5.0.6.0.0	5.2.4.8.3	5.4.3.4.6	5.6.2.0.9	5.8.0.9.0
7.7.0	3.11.4.9.0	4.1.3.6.0	4.3.2.3.0	4.5.1.0.0	4.6.11.9.0	4.8.10.6.0	4.10.9.3.0	5.0.8.0.0	5.2.6.9.0	5.4.5.6.0	5.6.4.3.0	5.8.3.0.0
¼	3.11.6.3.9	4.1.5.1.6	4.3.3.11.3	4.5.2.9.0	4.7.1.6.9	4.9.0.4.6	4.10.11.2.3	5.0.10.0.0	5.2.8.9.9	5.4.7.7.6	5.6.6.5.3	5.8.5.3.0
½	3.11.7.10.6	4.1.6.9.0	4.3.5.7.6	4.5.4.6.0	4.7.3.4.6	4.9.2.3.0	4.11.1.1.6	5.1.0.0.0	5.2.10.10.6	5.4.9.9.0	5.6.8.7.6	5.8.7.6.0
¾	3.11.9.5.3	4.1.8.4.6	4.3.7.3.9	4.5.6.3.0	4.7.5.2.3	4.9.4.1.6	4.11.3.0.9	5.1.2.0.0	5.3.0.11.3	5.4.11.10.6	5.6.10.9.9	5.8.9.9.0
7.8.0	3.11.11.0.0	4.1.10.0.0	4.3.9.0.0	4.5.8.0.0	4.7.7.0.0	4.9.6.0.0	4.11.5.0.0	5.1.4.0.0	5.3.3.0.0	5.5.2.0.0	5.7.1.0.0	5.9.0.0.0
¼	4.0.0.6.9	4.1.11.7.6	4.3.10.8.3	4.5.9.9.0	4.7.8.9.9	4.9.7.10.6	4.11.6.11.3	5.1.6.0.0	5.3.5.0.9	5.5.4.1.6	5.7.3.2.3	5.9.2.3.0
½	4.0.2.1.6	4.2.1.3.0	4.4.0.4.6	4.5.11.6.0	4.7.10.7.6	4.9.9.9.0	4.11.8.10.6	5.1.8.0.0	5.3.7.1.6	5.5.6.3.0	5.7.5.4.6	5.9.4.6.0
¾	4.0.3.8.3	4.2.2.10.6	4.4.2.0.9	4.6.1.3.0	4.8.0.5.3	4.9.11.7.6	4.11.10.9.9	5.1.10.0.0	5.3.9.2.3	5.5.8.4.6	5.7.7.6.9	5.9.6.9.0
7.9.0	4.0.5.3.0	4.2.4.6.0	4.4.3.9.0	4.6.3.0.0	4.8.2.3.0	4.10.1.6.0	5.0.0.9.0	5.2.0.0.0	5.3.11.3.0	5.5.10.6.0	5.7.9.9.0	5.9.9.0.0
¼	4.0.6.9.9	4.2.6.1.6	4.4.5.5.3	4.6.4.9.0	4.8.4.0.9	4.10.3.4.6	5.0.2.8.3	5.2.2.0.0	5.4.1.3.9	5.6.0.7.6	5.7.11.11.3	5.9.11.3.0
½	4.0.8.4.6	4.2.7.9.0	4.4.7.1.6	4.6.6.6.0	4.8.5.10.6	4.10.5.3.0	5.0.4.7.6	5.2.4.0.0	5.4.3.4.6	5.6.2.9.0	5.8.2.1.6	5.10.1.6.0
¾	4.0.9.11.3	4.2.9.4.6	4.4.8.9.9	4.6.8.3.0	4.8.7.8.3	4.10.7.1.6	5.0.6.6.9	5.2.6.0.0	5.4.5.5.3	5.6.4.10.6	5.8.4.3.9	5.10.3.9.0
7.10.0	4.0.11.6.0	4.2.11.0.0	4.4.10.6.0	4.6.10.0.0	4.8.9.6.0	4.10.9.0.0	5.0.8.6.0	5.2.8.0.0	5.4.7.6.0	5.6.7.0.0	5.8.6.6.0	5.10.6.0.0
¼	4.1.0.0.9	4.3.0.7.6	4.5.0.2.3	4.6.11.9.0	4.8.11.3.9	4.10.10.10.6	5.0.10.5.3	5.2.10.0.0	5.4.9.6.9	5.6.9.1.6	5.8.8.8.3	5.10.8.3.0
½	4.1.2.7.6	4.3.2.3.0	4.5.1.10.6	4.7.1.6.0	4.9.1.1.6	4.11.0.9.0	5.1.0.4.5	5.3.0.0.0	5.4.11.7.6	5.6.11.3.0	5.8.10.10.6	5.10.10.6.0
¾	4.1.4.2.3	4.3.3.10.6	4.5.3.6.9	4.7.3.3.0	4.9.2.11.3	4.11.2.7.6	5.1.2.3.9	5.3.2.0.0	5.5.1.8.3	5.7.1.4.6	5.9.1.0.9	5.11.0.9.0
7.11.0	4.1.5.9.0	4.3.5.6.0	4.5.5.3.0	4.7.5.0.0	4.9.4.9.0	4.11.4.6.0	5.1.4.3.0	5.3.4.0.0	5.5.3.9.0	5.7.3.6.0	5.9.3.3.0	5.11.3.0.0
¼	4.1.7.3.9	4.3.7.1.6	4.5.6.11.3	4.7.6.9.0	4.9.6.6.9	4.11.6.4.6	5.1.6.2.3	5.3.6.0.0	5.5.5.9.9	5.7.5.7.6	5.9.5.5.3	5.11.5.3.0
½	4.1.8.10.6	4.3.8.9.0	4.5.8.7.6	4.7.8.6.0	4.9.8.4.6	4.11.8.3.0	5.1.8.1.6	5.3.8.0.0	5.5.7.10.6	5.7.7.9.0	5.9.7.7.6	5.11.7.6.0
¾	4.1.10.5.3	4.3.10.4.6	4.5.10.3.9	4.7.10.3.0	4.9.10.2.3	4.11.10.1.6	5.1.10.0.9	5.3.10.0.0	5.5.9.11.3	5.7.9.10.6	5.9.9.9.9	5.11.9.9.0

A TABLE OF FEET AND INCHES

from 8 foot by 6 inches and 1 quarter to 10 foot 5 inches and 3 quarters by 9 inches

F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	0.6.¼	0.6.½	0.6.¾	0.7.0	0.7.¼	0.7.½	0.7.¾	0.8.0	0.8.¼	0.8.½	0.8.¾	0.9.0
8.0.0 ¼ ½ ¾	4.2.0.0.0 4.2.1.6.9 4.2.3.1.6 4.2.4.8.3	4.4.0.0.0 4.4.1.7.6 4.4.3.3.0 4.4.4.10.6	4.6.0.0.0 4.6.1.8.3 4.6.3.4.6 4.6.5.0.9	4.8.0.0.0 4.8.1.9.0 4.8.3.6.0 4.8.5.3.0	4.10.0.0.0 4.10.1.9.9 4.10.3.7.6 4.10.5.5.3	5.0.0.0.0 5.0.1.10.6 5.0.3.9.0 5.0.5.7.6	5.2.0.0.0 5.2.1.11.3 5.2.3.10.6 5.2.5.9.9	5.4.0.0.0 5.4.2.0.0 5.4.4.0.0 5.4.6.0.0	5.6.0.0.0 5.6.2.0.9 5.6.4.1.6 5.6.6.2.3	5.8.0.0.0 5.8.2.1.6 5.8.4.3.0 5.8.6.4.6	5.10.0.0.0 5.10.2.2.3 5.10.4.4.6 5.10.6.6.9	6.0.0.0.0 6.0.2.3.0 6.0.4.6.0 6.0.6.9.0
8.1.0 ¼ ½ ¾	4.2.6.3.0 4.2.7.9.9 4.2.9.4.6 4.2.10.11.3	4.4.6.6.0 4.4.8.1.6 4.4.9.9.0 4.4.11.4.6	4.6.6.9.0 4.6.8.5.3 4.6.10.1.6 4.6.11.9.9	4.8.7.0.0 4.8.8.9.0 4.8.10.6.0 4.9.0.3.0	4.10.7.3.0 4.10.9.0.9 4.10.10.10.6 4.11.0.8.3	5.0.7.6.0 5.0.9.4.6 5.0.11.3.0 5.1.1.1.6	5.2.7.9.0 5.2.9.8.3 5.2.11.7.6 5.3.1.6.9	5.4.8.0.0 5.4.10.0.0 5.5.0.0.0 5.5.2.0.0	5.6.8.3.0 5.6.10.3.9 5.7.0.4.6 5.7.2.5.3	5.8.8.6.0 5.8.10.7.6 5.9.0.9.0 5.9.2.10.6	5.10.8.9.0 5.10.10.11.3 5.11.1.1.6 5.11.3.3.9	6.0.9.0.0 6.0.11.3.0 6.1.1.6.0 6.1.3.9.0
8.2.0 ¼ ½ ¾	4.3.0.6.0 4.3.2.0.9 4.3.3.7.0 4.3.5.2.3	4.5.1.0.0 4.5.2.7.6 4.5.4.3.0 4.5.5.10.6	4.7.1.6.0 4.7.3.2.3 4.7.4.10.6 4.7.6.6.9	4.9.2.0.0 4.9.3.9.0 4.9.5.6.0 4.9.7.3.0	4.11.2.6.0 4.11.4.3.9 4.11.6.1.6 4.11.7.11.3	5.1.3.0.0 5.1.4.10.6 5.1.6.9.0 5.1.8.7.6	5.3.3.6.0 5.3.5.5.3 5.3.7.4.6 5.3.9.3.9	5.5.4.0.0 5.5.6.0.0 5.5.8.0.0 5.5.10.0.0	5.7.4.6.0 5.7.6.6.9 5.7.8.7.6 5.7.10.8.3	5.9.5.0.0 5.9.7.1.6 5.9.9.3.0 5.9.11.4.6	5.11.5.6.0 5.11.7.8.3 5.11.9.10.6 6.0.0.0.9	6.1.6.0.0 6.1.8.3.0 6.1.10.6.0 6.2.0.9.0
8.3.0 ¼ ½ ¾	4.3.6.9.0 4.3.8.3.9 4.3.9.10.6 4.3.11.5.3	4.5.7.6.0 4.5.9.1.6 4.5.10.9.0 4.6.0.4.6	4.7.8.3.0 4.7.9.11.3 4.7.11.7.6 4.8.1.3.9	4.9.9.0.0 4.9.10.9.0 4.10.0.6.0 4.10.2.3.0	4.11.9.9.0 4.11.11.6.9 5.0.1.4.6 5.0.3.2.9	5.1.10.6.0 5.2.0.4.6 5.2.2.3.0 5.2.4.1.6	5.3.11.3.0 5.4.1.2.3 5.4.3.1.6 5.4.5.0.9	5.6.0.0.0 5.6.2.0.0 5.6.4.0.0 5.6.6.0.0	5.8.0.9.0 5.8.2.9.9 5.8.4.10.6 5.8.6.11.3	5.10.1.6.0 5.10.3.7.6 5.10.5.9.0 5.10.7.10.6	6.0.2.3.0 6.0.4.5.3 6.0.6.7.6 6.0.8.9.9	6.2.3.0.0 6.2.5.3.0 6.2.7.6.0 6.2.9.9.0
8.4.0 ¼ ½ ¾	4.4.1.0.0 4.4.2.6.9 4.4.4.1.6 4.4.5.8.3	4.6.2.0.0 4.6.3.7.6 4.6.5.3.0 4.6.6.10.6	4.8.3.0.0 4.8.4.8.3 4.8.6.4.6 4.8.8.0.9	4.10.4.0.0 4.10.5.9.0 4.10.7.6.0 4.10.9.3.0	5.0.5.0.0 5.0.6.9.9 5.0.8.7.6 5.0.10.5.3	5.2.6.0.0 5.2.7.10.6 5.2.9.9.0 5.2.11.7.6	5.4.7.0.0 5.4.8.11.3 5.4.10.10.6 5.5.0.9.9	5.6.8.0.0 5.6.10.0.0 5.7.0.0.0 5.7.2.0.0	5.8.9.0.0 5.8.11.0.9 5.9.1.1.6 5.9.3.2.3	5.10.10.0.0 5.11.0.1.6 5.11.2.3.0 5.11.4.4.6	6.0.11.0.0 6.1.1.2.3 6.1.3.4.6 6.1.5.6.9	6.3.0.0.0 6.3.2.3.0 6.3.4.6.0 6.3.6.9.0
8.5.0 ¼ ½ ¾	4.4.7.3.0 4.4.8.9.9 4.4.10.4.6 4.4.11.11.3	4.6.8.6.0 4.6.10.1.6 4.6.11.9.0 4.7.1.4.6	4.8.9.9.0 4.8.11.5.3 4.9.1.1.6 4.9.2.9.9	4.10.11.0.0 4.11.0.9.0 4.11.2.6.0 4.11.4.3.0	5.1.0.3.0 5.1.2.0.9 5.1.3.10.6 5.1.5.8.3	5.3.1.6.0 5.3.3.4.6 5.3.5.3.0 5.3.7.1.6	5.5.2.9.0 5.5.4.8.3 5.5.6.7.6 5.5.8.6.9	5.7.4.0.0 5.7.6.0.0 5.7.8.0.0 5.7.10.0.0	5.9.5.3.0 5.9.7.3.9 5.9.9.4.6 5.9.11.5.3	5.11.6.6.0 5.11.8.7.6 5.11.10.9.0 6.0.0.10.6	6.1.7.9.0 6.1.9.11.3 6.2.0.1.6 6.2.2.3.9	6.3.9.0.0 6.3.11.3.0 6.4.1.6.0 6.4.3.9.0
8.6.0 ¼ ½ ¾	4.5.1.6.0 4.5.3.0.9 4.5.4.7.6 4.5.6.2.3	4.7.3.0.0 4.7.4.7.6 4.7.6.3.0 4.7.7.10.6	4.9.4.6.0 4.9.6.2.3 4.9.7.10.6 4.9.9.6.9	4.11.6.0.0 4.11.7.9.0 4.11.9.6.0 4.11.11.3.0	5.1.7.6.0 5.1.9.3.9 5.1.11.1.6 5.2.0.11.3	5.3.9.0.0 5.3.10.10.6 5.4.0.9.0 5.4.2.7.6	5.5.10.6.0 5.6.0.5.3 5.6.2.4.6 5.6.4.3.9	5.8.0.0.0 5.8.2.0.0 5.8.4.0.0 5.8.6.0.0	5.10.1.6.0 5.10.3.6.9 5.10.5.7.6 5.10.7.8.3	6.0.3.0.0 6.0.5.1.6 6.0.7.3.0 6.0.9.4.6	6.2.4.6.0 6.2.6.8.3 6.2.8.10.6 6.2.11.0.9	6.4.6.0.0 6.4.8.3.0 6.4.10.6.0 6.5.0.9.0
8.7.0 ¼ ½ ¾	4.5.7.9.0 4.5.9.3.9 4.5.10.10.6 4.6.0.5.3	4.7.9.6.0 4.7.11.1.6 4.8.0.9.0 4.8.2.4.6	4.9.11.3.0 4.10.0.11.3 4.10.2.7.6 4.10.4.3.9	5.0.1.0.0 5.0.2.9.0 5.0.4.6.0 5.0.6.3.0	5.2.2.9.0 5.2.4.6.9 5.2.6.4.6 5.2.8.2.3	5.4.4.6.0 5.4.6.4.6 5.4.8.3.0 5.4.10.1.6	5.6.6.3.0 5.6.8.2.3 5.6.10.1.6 5.7.0.0.9	5.8.8.0.0 5.8.10.0.0 5.9.0.0.0 5.9.2.0.0	5.10.9.9.0 5.10.11.9.9 5.11.1.10.6 5.11.3.11.3	6.0.11.6.0 6.1.1.7.6 6.1.3.9.0 6.1.5.10.6	6.3.1.3.0 6.3.3.5.3 6.3.5.7.6 6.3.7.9.9	6.5.3.0.0 6.5.5.3.0 6.5.7.6.0 6.5.9.9.0
8.8.0 ¼ ½ ¾	4.6.2.0.0 4.6.3.6.9 4.6.5.1.6 4.6.6.8.3	4.8.4.0.0 4.8.5.7.6 4.8.7.3.0 4.8.8.10.6	4.10.6.0.0 4.10.7.8.3 4.10.9.4.6 4.10.11.0.9	5.0.8.0.0 5.0.9.9.0 5.0.11.6.0 5.1.1.3.0	5.2.10.0.0 5.2.11.9.9 5.3.1.7.6 5.3.3.5.3	5.5.0.0.0 5.5.1.10.6 5.5.3.9.0 5.5.5.7.6	5.7.2.0.0 5.7.3.11.3 5.7.5.10.6 5.7.7.9.9	5.9.4.0.0 5.9.6.0.0 5.9.8.0.0 5.9.10.0.0	5.11.6.0.0 5.11.8.0.9 5.11.10.1.6 6.0.0.2.3	6.1.8.0.0 6.1.10.1.6 6.2.0.3.0 6.2.2.4.6	6.3.10.0.0 6.4.0.2.3 6.4.2.4.6 6.4.4.6.9	6.6.0.0.0 6.6.2.3.0 6.6.4.6.0 6.6.6.9.0
8.9.0 ¼ ½ ¾	4.6.8.3.0 4.6.9.9.9 4.6.11.4.6 4.7.0.11.3	4.8.10.6.0 4.9.0.1.6 4.9.1.9.0 4.9.3.4.6	4.11.0.9.0 4.11.2.5.3 4.11.4.1.6 4.11.5.9.9	5.1.3.0.0 5.1.4.9.0 5.1.6.6.0 5.1.8.3.0	5.3.5.3.0 5.3.7.0.9 5.3.8.10.6 5.3.10.8.3	5.5.7.6.0 5.5.9.4.6 5.5.11.3.0 5.6.1.1.6	5.7.9.9.0 5.7.11.8.3 5.8.1.7.6 5.8.3.6.9	5.10.0.0.0 5.10.2.0.0 5.10.4.0.0 5.10.6.0.0	6.0.2.3.0 6.0.4.3.9 6.0.6.4.6 6.0.8.5.3	6.2.4.6.0 6.2.6.7.6 6.2.8.9.0 6.2.10.10.6	6.4.6.9.0 6.4.8.11.3 6.4.11.1.6 6.5.1.3.9	6.6.9.0.0 6.6.11.3.0 6.7.1.6.0 6.7.3.9.0
8.10.0 ¼ ½ ¾	4.7.2.6.0 4.7.4.0.9 4.7.5.7.6 4.7.7.2.3	4.9.5.0.0 4.9.6.7.6 4.9.8.3.0 4.9.9.10.6	4.11.7.6.0 4.11.9.2.3 4.11.10.10.6 5.0.0.6.9	5.1.10.0.0 5.1.11.9.0 5.2.1.6.0 5.2.3.3.0	5.4.0.6.0 5.4.2.3.9 5.4.4.1.6 5.4.5.11.3	5.6.3.0.0 5.6.4.10.6 5.6.6.9.0 5.6.8.7.6	5.8.5.6.0 5.8.7.5.3 5.8.9.4.6 5.8.11.3.9	5.10.8.0.0 5.10.10.0.0 5.11.0.0.0 5.11.2.0.0	6.0.10.6.0 6.1.0.6.9 6.1.2.7.6 6.1.4.8.3	6.3.1.0.0 6.3.3.1.6 6.3.5.3.0 6.3.7.4.6	6.5.3.6.0 6.5.5.8.3 6.5.7.10.6 6.5.10.0.9	6.7.6.0.0 6.7.8.3.0 6.7.10.6.0 6.8.0.9.0
8.11.0 ¼ ½ ¾	4.7.8.9.0 4.7.10.3.9 4.7.11.10.6 4.8.1.5.3	4.9.11.6.0 4.10.1.1.6 4.10.2.9.0 4.10.4.4.6	5.0.2.3.0 5.0.3.11.3 5.0.5.7.6 5.0.7.3.9	5.2.5.0.0 5.2.6.9.0 5.2.8.6.0 5.2.10.3.0	5.4.7.9.0 5.4.9.6.9 5.4.11.4.6 5.5.1.2.3	5.6.10.6.0 5.7.0.4.6 5.7.2.3.0 5.7.4.1.6	5.9.1.3.0 5.9.3.2.3 5.9.5.1.6 5.9.7.0.9	5.11.4.0.0 5.11.6.0.0 5.11.8.0.0 5.11.10.0.0	6.1.6.9.0 6.1.8.9.9 6.1.10.10.6 6.2.0.11.3	6.3.9.6.0 6.3.11.7.6 6.4.1.9.0 6.4.3.10.6	6.6.0.3.0 6.6.2.5.3 6.6.4.7.6 6.6.6.9.9	6.8.3.0.0 6.8.5.3.0 6.8.7.6.0 6.8.9.9.0
9.0.0 ¼ ½ ¾	4.8.3.0.0 4.8.4.6.9 4.8.6.1.6 4.8.7.8.3	4.10.6.0.0 4.10.7.7.6 4.10.9.3.0 4.10.10.10.6	5.0.9.0.0 5.0.10.8.3 5.1.0.4.6 5.1.2.0.9	5.3.0.0.0 5.3.1.9.0 5.3.3.6.0 5.3.5.3.0	5.5.3.0.0 5.5.4.9.9 5.5.6.7.6 5.5.8.5.3	5.7.6.0.0 5.7.7.10.6 5.7.9.9.0 5.7.11.7.6	5.9.9.0.0 5.9.10.11.3 5.10.0.10.6 5.10.2.9.9	6.0.0.0.0 6.0.2.0.0 6.0.4.0.0 6.0.6.0.0	6.2.3.0.0 6.2.5.0.9 6.2.7.1.6 6.2.9.2.3	6.4.6.0.0 6.4.8.1.6 6.4.10.3.0 6.5.0.4.6	6.6.9.0.0 6.6.11.2.3 6.7.1.4.6 6.7.3.6.9	6.9.0.0.0 6.9.2.3.0 6.9.4.6.0 6.9.6.9.0
9.1.0 ¼ ½ ¾	4.8.9.3.0 4.8.10.9.9 4.9.0.4.6 4.9.1.11.3	4.11.0.6.0 4.11.2.1.6 4.11.3.9.0 4.11.5.4.6	5.1.3.9.0 5.1.5.5.3 5.1.7.1.6 5.1.8.9.9	5.3.7.0.0 5.3.8.9.0 5.3.10.6.0 5.4.0.3.0	5.5.10.3.0 5.6.0.0.9 5.6.1.10.6 5.6.3.8.3	5.8.1.6.0 5.8.3.4.6 5.8.5.3.0 5.8.7.1.6	5.10.4.9.0 5.10.6.8.3 5.10.8.7.6 5.10.10.6.9	6.0.8.0.0 6.0.10.0.0 6.1.0.0.0 6.1.2.0.0	6.2.11.3.0 6.3.1.3.9 6.3.3.4.6 6.3.5.5.3	6.5.2.6.0 6.5.4.7.6 6.5.6.9.0 6.5.8.10.6	6.7.5.9.0 6.7.7.11.3 6.7.10.1.6 6.8.0.3.9	6.9.9.0.0 6.9.11.3.0 6.10.1.6.0 6.10.3.9.0
9.2.0 ¼ ½ ¾	4.9.3.6.0 4.9.5.0.9 4.9.6.7.6 4.9.8.2.3	4.11.7.0.0 4.11.8.7.6 4.11.10.3.0 4.11.11.10.6	5.1.10.6.0 5.2.0.2.3 5.2.1.10.6 5.2.3.6.9	5.4.2.0.0 5.4.3.9.0 5.4.5.6.0 5.4.7.3.0	5.6.5.6.0 5.6.7.3.9 5.6.9.1.6 5.6.10.11.3	5.8.9.0.0 5.8.10.10.6 5.9.0.9.0 5.9.2.7.6	5.11.0.6.0 5.11.2.5.3 5.11.4.4.6 5.11.6.3.9	6.1.4.0.0 6.1.6.0.0 6.1.8.0.0 6.1.10.0.0	6.3.7.6.0 6.3.9.6.9 6.3.11.7.6 6.4.1.8.3	6.5.11.0.0 6.6.1.1.6 6.6.3.3.0 6.6.5.4.6	6.8.2.6.0 6.8.4.8.3 6.8.6.10.6 6.8.9.0.9	6.10.6.0.0 6.10.8.3.0 6.10.10.6.0 6.11.0.9.0
9.3.0 ¼ ½ ¾	4.9.9.9.0 4.9.11.3.9 4.10.0.10.6 4.10.2.5.3	5.0.1.6.0 5.0.3.1.6 5.0.4.9.0 5.0.6.4.6	5.2.5.3.0 5.2.6.11.3 5.2.8.7.6 5.2.10.3.9	5.4.9.0.0 5.4.10.9.0 5.5.0.6.0 5.5.2.3.0	5.7.0.9.0 5.7.2.6.9 5.7.4.4.6 5.7.6.2.3	5.9.4.6.0 5.9.6.4.6 5.9.8.3.0 5.9.10.1.6	5.11.8.3.0 5.11.10.2.3 6.0.0.1.6 6.0.2.0.9	6.2.0.0.0 6.2.2.0.0 6.2.4.0.0 6.2.6.0.0	6.4.3.9.0 6.4.5.9.9 6.4.7.10.6 6.4.9.11.3	6.6.7.6.0 6.6.9.7.6 6.6.11.9.0 6.7.1.10.6	6.8.11.3.0 6.9.1.5.3 6.9.3.7.6 6.9.5.9.9	6.11.3.0.0 6.11.5.3.0 6.11.7.6.0 6.11.9.9.0
9.4.0 ¼ ½ ¾	4.10.4.0.0 4.10.5.6.9 4.10.7.1.6 4.10.8.8.3	5.0.8.0.0 5.0.9.7.6 5.0.11.3.0 5.1.0.10.6	5.3.0.0.0 5.3.1.8.3 5.3.3.4.6 5.3.5.0.9	5.5.4.0.0 5.5.5.9.0 5.5.7.6.0 5.5.9.3.0	5.7.8.0.0 5.7.9.9.9 5.7.11.7.6 5.8.1.5.3	5.10.0.0.0 5.10.1.10.6 5.10.3.9.0 5.10.5.7.6	6.0.4.0.0 6.0.5.11.3 6.0.7.10.6 6.0.9.9.9	6.2.8.0.0 6.2.10.0.0 6.3.0.0.0 6.3.2.0.0	6.5.0.0.0 6.5.2.0.9 6.5.4.1.6 6.5.6.2.3	6.7.4.0.0 6.7.6.1.6 6.7.8.3.0 6.7.10.4.6	6.9.8.0.0 6.9.10.2.3 6.10.0.4.6 6.10.2.6.9	7.0.0.0.0 7.0.2.3.0 7.0.4.6.0 7.0.6.9.0
9.5.0 ¼ ½ ¾	4.10.10.3.0 4.10.11.9.9 4.11.1.4.6 4.11.2.11.3	5.1.2.6.0 5.1.4.1.6 5.1.5.9.0 5.1.7.4.6	5.3.6.9.0 5.3.8.5.3 5.3.10.1.6 5.3.11.9.9	5.5.11.0.0 5.6.0.9.0 5.6.2.6.0 5.6.4.3.0	5.8.3.3.0 5.8.5.0.9 5.8.6.10.6 5.8.8.8.3	5.10.7.6.0 5.10.9.4.6 5.10.11.3.0 5.11.1.1.6	6.0.11.9.0 6.1.1.8.3 6.1.3.7.6 6.1.5.6.9	6.3.4.0.0 6.3.6.0.0 6.3.8.0.0 6.3.10.0.0	6.5.8.3.0 6.5.10.3.9 6.6.0.4.6 6.6.2.5.3	6.8.0.6.0 6.8.2.7.6 6.8.4.9.0 6.8.6.10.6	6.10.4.9.0 6.10.6.11.3 6.10.9.1.6 6.10.11.3.9	7.0.9.0.0 7.0.11.3.0 7.1.1.6.0 7.1.3.9.0
9.6.0 ¼ ½ ¾	4.11.4.6.0 4.11.6.0.9 4.11.7.7.6 4.11.9.2.3	5.1.9.0.0 5.1.10.7.6 5.2.0.3.0 5.2.1.10.6	5.4.1.6.0 5.4.3.2.3 5.4.4.10.6 5.4.6.6.9	5.6.6.0.0 5.6.7.9.0 5.6.9.6.0 5.6.11.3.0	5.8.10.6.0 5.9.0.3.9 5.9.2.1.6 5.9.3.11.3	5.11.3.0.0 5.11.4.10.6 5.11.6.9.0 5.11.8.7.6	6.1.7.6.0 6.1.9.5.3 6.1.11.4.6 6.2.1.3.9	6.4.0.0.0 6.4.2.0.0 6.4.4.0.0 6.4.6.0.0	6.6.4.6.0 6.6.6.6.9 6.6.8.7.6 6.6.10.8.3	6.8.9.0.0 6.8.11.1.6 6.9.1.3.0 6.9.3.4.6	6.11.1.6.0 6.11.3.8.3 6.11.5.10.6 6.11.8.0.9	7.1.6.0.0 7.1.8.3.0 7.1.10.6.0 7.2.0.9.0
9.7.0 ¼ ½ ¾	4.11.10.9.0 5.0.0.3.9 5.0.1.10.6 5.0.3.5.3	5.2.3.6.0 5.2.5.1.6 5.2.6.9.0 5.2.8.4.6	5.4.8.3.0 5.4.9.11.3 5.4.11.7.6 5.5.1.3.9	5.7.1.0.0 5.7.2.9.0 5.7.4.6.0 5.7.6.3.0	5.9.5.9.0 5.9.7.6.9 5.9.9.4.6 5.9.11.2.3	5.11.10.6.0 6.0.0.4.6 6.0.2.3.0 6.0.4.1.6	6.2.3.3.0 6.2.5.2.3 6.2.7.1.6 6.2.9.0.9	6.4.8.0.0 6.4.10.0.0 6.5.0.0.0 6.5.2.0.0	6.7.0.9.0 6.7.2.9.9 6.7.4.10.6 6.7.6.11.3	6.9.5.6.0 6.9.7.7.6 6.9.9.9.0 6.9.11.10.6	6.11.10.3.0 7.0.0.5.3 7.0.2.7.6 7.0.4.9.9	7.2.3.0.0 7.2.5.3.0 7.2.7.6.0 7.2.9.9.0
9.8.0 ¼ ½ ¾	5.0.5.0.0 5.0.6.6.9 5.0.8.1.6 5.0.9.8.3	5.2.10.0.0 5.2.11.7.6 5.3.1.3.0 5.3.2.10.6	5.5.3.0.0 5.5.4.8.3 5.5.6.4.6 5.5.8.0.9	5.7.8.0.0 5.7.9.9.0 5.7.11.6.0 5.8.1.3.0	5.10.1.0.0 5.10.2.9.9 5.10.4.7.6 5.10.6.5.3	6.0.6.0.0 6.0.7.10.6 6.0.9.9.0 6.0.11.7.6	6.2.11.0.0 6.3.0.11.3 6.3.2.10.6 6.3.4.9.9	6.5.4.0.0 6.5.6.0.0 6.5.8.0.0 6.5.10.0.0	6.7.9.0.0 6.7.11.0.9 6.8.1.1.6 6.8.3.2.3	6.10.2.0.0 6.10.4.1.6 6.10.6.3.0 6.10.8.4.6	7.0.7.0.0 7.0.9.2.3 7.0.11.4.6 7.1.1.6.9	7.3.0.0.0 7.3.2.3.0 7.3.4.6.0 7.3.6.9.0
9.9.0 ¼ ½ ¾	5.0.11.3.0 5.1.0.9.9 5.1.2.4.6 5.1.3.11.3	5.3.4.6.0 5.3.6.1.6 5.3.7.9.0 5.3.9.4.6	5.5.9.9.0 5.5.11.5.3 5.6.1.1.6 5.6.2.9.9	5.8.3.0.0 5.8.4.9.0 5.8.6.6.0 5.8.8.3.0	5.10.8.3.0 5.10.10.0.9 5.10.11.10.6 5.11.1.8.3	6.1.1.6.0 6.1.3.4.6 6.1.5.3.0 6.1.7.1.6	6.3.6.9.0 6.3.8.8.3 6.3.10.7.6 6.4.0.6.9	6.6.0.0.0 6.6.2.0.0 6.6.4.0.0 6.6.6.0.0	6.8.5.3.0 6.8.7.3.9 6.8.9.4.6 6.8.11.5.3	6.10.10.6.0 6.11.0.7.6 6.11.2.9.0 6.11.4.10.6	7.1.3.9.0 7.1.5.11.3 7.1.8.1.6 7.1.10.3.9	7.3.9.0.0 7.3.11.3.0 7.4.1.6.0 7.4.3.9.0
9.10.0 ¼ ½ ¾	5.1.5.6.0 5.1.7.0.9 5.1.9.7.6 5.1.10.2.3	5.3.11.0.0 5.4.0.7.6 5.4.2.3.0 5.4.3.10.6	5.6.4.6.0 5.6.6.2.3 5.6.7.10.6 5.6.9.6.9	5.8.10.0.0 5.8.11.9.0 5.9.1.6.0 5.9.3.3.0	5.11.3.6.0 5.11.5.3.9 5.11.7.1.6 5.11.8.11.3	6.1.9.0.0 6.1.10.10.6 6.2.0.9.0 6.2.2.7.6	6.4.2.6.0 6.4.4.5.3 6.4.6.4.6 6.4.8.3.9	6.6.8.0.0 6.6.10.0.0 6.7.0.0.0 6.7.2.0.0	6.9.1.6.0 6.9.3.6.9 6.9.5.7.6 6.9.7.8.3	6.11.7.0.0 6.11.9.1.6 6.11.11.3.0 7.0.1.4.6	7.2.0.6.0 7.2.2.8.3 7.2.4.10.6 7.2.7.0.9	7.4.6.0.0 7.4.8.3.0 7.4.10.6.0 7.5.0.9.0
9.11.0 ¼ ½ ¾	5.1.11.9.0 5.2.1.3.9 5.2.2.10.6 5.2.4.5.3	5.4.5.6.0 5.4.7.1.6 5.4.8.9.0 5.4.10.4.6	5.6.11.3.0 5.7.0.11.3 5.7.2.7.6 5.7.4.3.9	5.9.5.0.0 5.9.6.9.0 5.9.8.6.0 5.9.10.3.0	5.11.10.9.0 6.0.0.6.9 6.0.2.4.6 6.0.4.2.3	6.2.4.6.0 6.2.6.4.6 6.2.8.3.0 6.2.10.1.6	6.4.10.3.0 6.5.0.2.3 6.5.2.1.6 6.5.4.0.9	6.7.4.0.0 6.7.6.0.0 6.7.8.0.0 6.7.10.0.0	6.9.9.9.0 6.9.11.9.9 6.10.1.10.6 6.10.3.11.3	7.0.3.6.0 7.0.5.7.6 7.0.7.9.0 7.0.9.10.6	7.2.9.3.0 7.2.11.5.3 7.3.1.7.6 7.3.3.9.9	7.5.3.0.0 7.5.5.3.0 7.5.7.6.0 7.5.9.9.0
10.0.0 ¼ ½ ¾	5.2.6.0.0 5.2.7.6.9 5.2.9.1.6 5.2.10.8.3	5.5.0.0.0 5.5.1.7.6 5.5.3.3.0 5.5.4.10.6	5.7.6.0.0 5.7.7.8.3 5.7.9.4.6 5.7.11.0.9	5.10.0.0.0 5.10.1.9.0 5.10.3.6.0 5.10.5.3.0	6.0.6.0.0 6.0.7.9.9 6.0.9.7.6 6.0.11.5.3	6.3.0.0.0 6.3.1.10.6 6.3.3.9.0 6.3.5.7.6	6.5.6.0.0 6.5.7.11.3 6.5.9.10.6 6.5.11.9.9	6.8.0.0.0 6.8.2.0.0 6.8.4.0.0 6.8.6.0.0	6.10.6.0.0 6.10.8.0.9 6.10.10.1.6 6.11.0.2.3	7.1.0.0.0 7.1.2.1.6 7.1.4.3.0 7.1.6.4.6	7.3.6.0.0 7.3.8.2.3 7.3.10.4.6 7.4.0.6.9	7.6.0.0.0 7.6.2.3.0 7.6.4.6.0 7.6.6.9.0
10.1.0 ¼ ½ ¾	5.3.0.3.0 5.3.1.9.9 5.3.3.4.6 5.3.4.11.3	5.5.6.6.0 5.5.8.1.6 5.5.9.9.0 5.5.11.4.6	5.8.0.9.0 5.8.2.5.3 5.8.4.1.6 5.8.5.9.9	5.10.7.0.0 5.10.8.9.0 5.10.10.6.0 5.11.0.3.0	6.1.1.3.0 6.1.3.0.9 6.1.4.10.6 6.1.6.8.3	6.3.7.6.0 6.3.9.4.6 6.3.11.3.0 6.4.1.1.6	6.6.1.9.0 6.6.3.8.3 6.6.5.7.6 6.6.7.6.9	6.8.8.0.0 6.8.10.0.0 6.9.0.0.0 6.9.2.0.0	6.11.2.3.0 6.11.4.3.9 6.11.6.4.6 6.11.8.5.3	7.1.8.6.0 7.1.10.7.6 7.2.0.9.0 7.2.2.10.6	7.4.2.9.0 7.4.4.11.3 7.4.7.1.6 7.4.9.3.9	7.6.9.0.0 7.6.11.3.0 7.7.1.6.0 7.7.3.9.0
10.2.0 ¼ ½ ¾	5.3.6.6.0 5.3.8.0.9 5.3.9.7.6 5.3.11.2.3	5.6.1.0.0 5.6.2.7.6 5.6.4.3.0 5.6.5.10.6	5.8.7.6.0 5.8.9.2.3 5.8.10.10.6 5.9.0.6.9	5.11.2.0.0 5.11.3.9.0 5.11.5.6.0 5.11.7.3.0	6.1.8.6.0 6.1.10.3.9 6.2.0.1.6 6.2.1.11.3	6.4.3.0.0 6.4.4.10.6 6.4.6.9.0 6.4.8.7.6	6.6.9.6.0 6.6.11.5.3 6.7.1.4.6 6.7.3.3.9	6.9.4.0.0 6.9.6.0.0 6.9.8.0.0 6.9.10.0.0	6.11.10.6.0 7.0.0.6.9 7.0.2.7.6 7.0.4.8.3	7.2.5.0.0 7.2.7.1.6 7.2.9.3.0 7.2.11.4.6	7.4.11.6.0 7.5.1.8.3 7.5.3.10.6 7.5.6.0.9	7.7.6.0.0 7.7.8.3.0 7.7.10.6.0 7.8.0.9.0
10.3.0 ¼ ½ ¾	5.4.0.9.0 5.4.2.3.9 5.4.3.10.6 5.4.5.5.3	5.6.7.6.0 5.6.9.1.6 5.6.10.9.0 5.7.0.4.6	5.9.2.3.0 5.9.3.11.3 5.9.5.7.6 5.9.7.3.9	5.11.9.0.0 5.11.10.9.0 6.0.0.6.0 6.0.2.3.0	6.2.3.9.0 6.2.5.6.9 6.2.7.4.6 6.2.9.2.3	6.4.10.6.0 6.5.0.4.6 6.5.2.3.0 6.5.4.1.6	6.7.5.3.0 6.7.7.2.3 6.7.9.1.6 6.7.11.0.9	6.10.0.0.0 6.10.2.0.0 6.10.4.0.0 6.10.6.0.0	7.0.6.9.0 7.0.8.9.9 7.0.10.10.6 7.1.0.11.3	7.3.1.6.0 7.3.3.7.6 7.3.5.9.0 7.3.7.10.6	7.5.8.3.0 7.5.10.5.3 7.6.0.7.6 7.6.2.9.9	7.8.3.0.0 7.8.5.3.0 7.8.7.6.0 7.8.9.9.0
10.4.0 ¼ ½ ¾	5.4.7.0.0 5.4.8.6.9 5.4.10.1.6 5.4.11.8.3	5.7.2.0.0 5.7.3.7.6 5.7.5.3.0 5.7.6.10.6	5.9.9.0.0 5.9.10.8.3 5.10.0.4.6 5.10.2.0.9	6.0.4.0.0 6.0.5.9.0 6.0.7.6.0 6.0.9.3.0	6.2.11.0.0 6.3.0.9.9 6.3.2.7.6 6.3.4.5.3	6.5.6.0.0 6.5.7.10.6 6.5.9.9.0 6.5.11.7.6	6.8.1.0.0 6.8.2.11.3 6.8.4.10.6 6.8.6.9.9	6.10.8.0.0 6.10.10.0.0 6.11.0.0.0 6.11.2.0.0	7.1.3.0.0 7.1.5.0.9 7.1.7.1.6 7.1.9.2.3	7.3.10.0.0 7.4.0.1.6 7.4.2.3.0 7.4.4.4.6	7.6.5.0.0 7.6.7.2.3 7.6.9.4.6 7.6.11.6.9	7.9.0.0.0 7.9.2.3.0 7.9.4.6.0 7.9.6.9.0
10.5.0 ¼ ½ ¾	5.5.1.3.0 5.5.2.9.9 5.5.4.4.6 5.5.5.11.3	5.7.8.6.0 5.7.10.1.6 5.7.11.9.0 5.8.1.4.6	5.10.3.9.0 5.10.5.5.3 5.10.7.1.6 5.10.8.9.9	6.0.11.0.0 6.1.0.9.0 6.1.2.6.0 6.1.4.3.0	6.3.6.3.0 6.3.8.0.9 6.3.9.10.6 6.3.11.8.3	6.6.1.6.0 6.6.3.4.6 6.6.5.3.0 6.6.7.1.6	6.8.8.9.0 6.8.10.8.3 6.9.0.7.6 6.9.2.6.9	6.11.4.0.0 6.11.6.0.0 6.11.8.0.0 6.11.10.0.0	7.1.11.3.0 7.2.1.3.9 7.2.3.4.6 7.2.5.5.3	7.4.6.6.0 7.4.8.7.6 7.4.10.9.0 7.5.0.10.6	7.7.1.9.0 7.7.3.11.3 7.7.6.1.6 7.7.8.3.9	7.9.9.0.0 7.9.11.3.0 7.10.1.6.0 7.10.3.9.0

A TABLE OF FEET AND INCHES.

from 10 foot 6 inches by 6 inches and 1 quarter to 12 foot 5 inches and 3 quarters by 9 inches

F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	0.6.1/4	0.6.1/2	0.6.3/4	0.7.0	0.7.1/4	0.7.1/2	0.7.3/4	0.8.0	0.8.1/4	0.8.1/2	0.8.3/4	0.9.0
10.6.0	5.5.7.6.0	5.8.3.0.0	5.10.10.6.0	6.1.6.0.0	6.4.1.6.0	6.6.9.0.0	6.9.4.6.0	7.0.0.0.0	7.2.7.6.0	7.5.3.0.0	7.7.10.6.0	7.10.6.0.0
1/4	5.5.9.0.9	5.8.4.7.6	5.11.0.2.3	6.1.7.9.0	6.4.3.3.9	6.6.10.10.6	6.9.6.5.3	7.0.2.0.0	7.2.9.6.9	7.5.5.1.6	7.8.0.8.3	7.10.8.3.0
1/2	5.5.10.7.6	5.8.6.3.0	5.11.1.10.6	6.1.9.6.0	6.4.5.1.6	6.7.0.9.0	6.9.8.4.6	7.0.4.0.0	7.2.11.7.6	7.5.7.3.0	7.8.2.10.6	7.10.10.6.0
3/4	5.6.0.2.3	5.8.7.10.6	5.11.3.6.9	6.1.11.3.0	6.4.6.11.3	6.7.2.7.6	6.9.10.3.9	7.0.6.0.0	7.3.1.8.3	7.5.9.4.6	7.8.5.0.9	7.11.0.9.0
10.7.0	5.6.1.9.0	5.8.9.6.0	5.11.5.3.0	6.2.1.0.0	6.4.8.9.0	6.7.4.6.0	6.10.0.3.0	7.0.8.0.0	7.3.3.9.0	7.5.11.6.0	7.8.7.3.0	7.11.3.0.0
1/4	5.6.3.3.9	5.8.11.1.6	5.11.6.11.3	6.2.2.9.0	6.4.10.6.9	6.7.6.4.6	6.10.2.2.3	7.0.10.0.0	7.3.5.9.9	7.6.1.7.6	7.8.9.5.3	7.11.5.3.0
1/2	5.6.4.10.6	5.9.0.9.0	5.11.8.7.6	6.2.4.6.0	6.5.0.4.6	6.7.8.3.0	6.10.4.1.6	7.1.0.0.0	7.3.7.10.6	7.6.3.9.0	7.8.11.7.6	7.11.7.6.0
3/4	5.6.6.5.3	5.9.2.4.6	5.11.10.3.9	6.2.6.3.0	6.5.2.2.3	6.7.10.1.6	6.10.6.0.9	7.1.2.0.0	7.3.9.11.3	7.6.5.10.6	7.9.1.9.9	7.11.9.9.0
10.8.0	5.6.8.0.0	5.9.4.0.0	6.0.0.0.0	6.2.8.0.0	6.5.4.0.0	6.8.0.0.0	6.10.8.0.0	7.1.4.0.0	7.4.0.0.0	7.6.8.0.0	7.9.4.0.0	8.0.0.0.0
1/4	5.6.9.6.9	5.9.5.7.6	6.0.1.8.3	6.2.9.9.0	6.5.5.9.9	6.8.1.10.6	6.10.9.11.3	7.1.6.0.0	7.4.2.0.9	7.6.10.1.6	7.9.6.2.3	8.0.2.3.0
1/2	5.6.11.1.6	5.9.7.3.0	6.0.3.4.6	6.2.11.6.0	6.5.7.7.6	6.8.3.9.0	6.10.11.10.6	7.1.8.0.0	7.4.4.1.6	7.7.0.3.0	7.9.8.4.6	8.0.4.6.0
3/4	5.7.0.8.3	5.9.8.10.6	6.0.5.0.9	6.3.1.3.0	6.5.9.5.3	6.8.5.7.6	6.11.1.9.9	7.1.10.0.0	7.4.6.2.3	7.7.2.4.6	7.9.10.6.9	8.0.6.9.0
10.9.0	5.7.2.3.0	5.9.10.6.0	6.0.6.9.0	6.3.3.0.0	6.5.11.3.0	6.8.7.6.0	6.11.3.9.0	7.2.0.0.0	7.4.8.3.0	7.7.4.6.0	7.10.0.9.0	8.0.9.0.0
1/4	5.7.3.9.9	5.10.0.1.6	6.0.8.5.3	6.3.4.9.0	6.6.1.0.9	6.8.9.4.6	6.11.5.8.3	7.2.2.0.0	7.4.10.3.9	7.7.6.7.6	7.10.2.11.3	8.0.11.3.0
1/2	5.7.5.4.6	5.10.1.9.0	6.0.10.1.6	6.3.6.6.0	6.6.2.10.6	6.8.11.3.0	6.11.7.7.6	7.2.4.0.0	7.5.0.4.6	7.7.8.9.0	7.10.5.1.6	8.1.1.6.0
3/4	5.7.6.11.3	5.10.3.4.6	6.0.11.9.9	6.3.8.3.0	6.6.4.8.3	6.9.1.1.6	6.11.9.6.9	7.2.6.0.0	7.5.2.5.3	7.7.10.10.6	7.10.7.3.9	8.1.3.9.0
10.10.0	5.7.8.6.0	5.10.5.0.0	6.1.1.6.0	6.3.10.0.0	6.6.6.6.0	6.9.3.0.0	6.11.11.6.0	7.2.8.0.0	7.5.4.6.0	7.8.1.0.0	7.10.9.6.0	8.1.6.0.0
1/4	5.7.10.0.9	5.10.6.7.6	6.1.3.2.3	6.3.11.9.0	6.6.8.3.9	6.9.4.10.6	7.0.1.5.3	7.2.10.0.0	7.5.6.6.9	7.8.3.1.6	7.10.11.8.3	8.1.8.3.0
1/2	5.7.11.7.6	5.10.8.3.0	6.1.4.10.6	6.4.1.6.0	6.6.10.1.6	6.9.6.9.0	7.0.3.4.6	7.3.0.0.0	7.5.8.7.6	7.8.5.3.0	7.11.1.10.6	8.1.10.6.0
3/4	5.8.1.2.3	5.10.9.10.6	6.1.6.6.9	6.4.3.3.0	6.6.11.11.3	6.9.8.7.6	7.0.5.3.9	7.3.2.0.0	7.5.10.8.3	7.8.7.4.6	7.11.4.0.9	8.2.0.9.0
10.11.0	5.8.2.9.0	5.10.11.6.0	6.1.8.3.0	6.4.5.0.0	6.7.1.9.0	6.9.10.6.0	7.0.7.3.0	7.3.4.0.0	7.6.0.9.0	7.8.9.6.0	7.11.6.3.0	8.2.3.0.0
1/4	5.8.4.3.9	5.11.1.1.6	6.1.9.11.3	6.4.6.9.0	6.7.3.6.9	6.10.0.4.6	7.0.9.2.3	7.3.6.0.0	7.6.2.9.9	7.8.11.7.6	7.11.8.5.3	8.2.5.3.0
1/2	5.8.5.10.6	5.11.2.9.0	6.1.11.7.6	6.4.8.6.0	6.7.5.4.6	6.10.2.3.0	7.0.11.1.6	7.3.8.0.0	7.6.4.10.6	7.9.1.9.0	7.11.10.7.6	8.2.7.6.0
3/4	5.8.7.5.3	5.11.4.4.6	6.2.1.3.9	6.4.10.3.0	6.7.7.2.3	6.10.4.1.6	7.1.1.0.9	7.3.10.0.0	7.6.6.11.3	7.9.3.10.6	8.0.0.9.9	8.2.9.9.0
11.0.0	5.8.9.0.0	5.11.6.0.0	6.2.3.0.0	6.5.0.0.0	6.7.9.0.0	6.10.6.0.0	7.1.3.0.0	7.4.0.0.0	7.6.9.0.0	7.9.6.0.0	8.0.3.0.0	8.3.0.0.0
1/4	5.8.10.6.9	5.11.7.7.6	6.2.4.8.3	6.5.1.9.0	6.7.10.9.9	6.10.7.10.6	7.1.4.11.3	7.4.2.0.0	7.6.11.0.9	7.9.8.1.6	8.0.5.2.3	8.3.2.3.0
1/2	5.9.0.1.6	5.11.9.3.0	6.2.6.4.6	6.5.3.6.0	6.8.0.7.6	6.10.9.9.0	7.1.6.10.6	7.4.4.0.0	7.7.1.1.6	7.9.10.3.0	8.0.7.4.6	8.3.4.6.0
3/4	5.9.1.8.3	5.11.10.10.6	6.2.8.0.9	6.5.5.3.0	6.8.2.5.3	6.10.11.7.6	7.1.8.9.9	7.4.6.0.0	7.7.3.2.3	7.10.0.4.6	8.0.9.6.9	8.3.6.9.0
11.1.0	5.9.3.3.0	6.0.0.6.0	6.2.9.9.0	6.5.7.0.0	6.8.4.3.0	6.11.1.6.0	7.1.10.9.0	7.4.8.0.0	7.7.5.3.0	7.10.2.6.0	8.0.11.9.0	8.3.9.0.0
1/4	5.9.4.9.9	6.0.2.1.6	6.2.11.5.3	6.5.8.9.0	6.8.6.0.9	6.11.3.4.6	7.2.0.8.3	7.4.10.0.0	7.7.7.3.9	7.10.4.7.6	8.1.1.11.3	8.3.11.3.0
1/2	5.9.6.4.6	6.0.3.9.0	6.3.1.1.6	6.5.10.6.0	6.8.7.10.6	6.11.5.3.0	7.2.2.7.6	7.5.0.0.0	7.7.9.4.6	7.10.6.9.0	8.1.4.1.6	8.4.1.6.0
3/4	5.9.7.11.3	6.0.5.4.6	6.3.2.9.9	6.6.0.3.0	6.8.9.8.3	6.11.7.1.6	7.2.4.6.9	7.5.2.0.0	7.7.11.5.3	7.10.8.10.6	8.1.6.3.9	8.4.3.9.0
11.2.0	5.9.9.6.0	6.0.7.0.0	6.3.4.6.0	6.6.2.0.0	6.8.11.6.0	6.11.9.0.0	7.2.6.6.0	7.5.4.0.0	7.8.1.6.0	7.10.11.0.0	8.1.8.6.0	8.4.6.0.0
1/4	5.9.11.0.9	6.0.8.7.6	6.3.6.2.3	6.6.3.9.0	6.9.1.3.9	6.11.10.10.6	7.2.8.5.3	7.5.6.0.0	7.8.3.6.9	7.11.1.1.6	8.1.10.8.3	8.4.8.3.0
1/2	5.10.0.7.6	6.0.10.3.0	6.3.7.10.6	6.6.5.6.0	6.9.3.1.6	7.0.0.9.0	7.2.10.4.6	7.5.8.0.0	7.8.5.7.6	7.11.3.3.0	8.2.0.10.6	8.4.10.6.0
3/4	5.10.2.2.3	6.0.11.10.6	6.3.9.6.9	6.6.7.3.0	6.9.4.11.3	7.0.2.7.6	7.3.0.3.9	7.5.10.0.0	7.8.7.8.3	7.11.5.4.6	8.2.3.0.9	8.5.0.9.0
11.3.0	5.10.3.9.0	6.1.1.6.0	6.3.11.3.0	6.6.9.0.0	6.9.6.9.0	7.0.4.6.0	7.3.2.3.0	7.6.0.0.0	7.8.9.9.0	7.11.7.6.0	8.2.5.3.0	8.5.3.0.0
1/4	5.10.5.3.9	6.1.3.1.6	6.4.0.11.3	6.6.10.9.0	6.9.8.6.9	7.0.6.4.6	7.3.4.2.3	7.6.2.0.0	7.8.11.9.9	7.11.9.7.6	8.2.7.5.3	8.5.5.3.0
1/2	5.10.6.10.6	6.1.4.9.0	6.4.2.7.6	6.7.0.6.0	6.9.10.4.6	7.0.8.3.0	7.3.6.1.6	7.6.4.0.0	7.9.1.10.6	7.11.11.9.0	8.2.9.7.6	8.5.7.6.0
3/4	5.10.8.5.3	6.1.6.4.6	6.4.4.3.9	6.7.2.3.0	6.10.0.2.3	7.0.10.1.6	7.3.8.0.9	7.6.6.0.0	7.9.3.11.3	8.0.1.10.6	8.2.11.9.9	8.5.9.9.0
11.4.0	5.10.10.0.0	6.1.8.0.0	6.4.6.0.0	6.7.4.0.0	6.10.2.0.0	7.1.0.0.0	7.3.10.0.0	7.6.8.0.0	7.9.6.0.0	8.0.4.0.0	8.3.2.0.0	8.6.0.0.0
1/4	5.10.11.6.9	6.1.9.7.6	6.4.7.8.3	6.7.5.9.0	6.10.3.9.9	7.1.1.10.6	7.3.11.11.3	7.6.10.0.0	7.9.8.0.9	8.0.6.1.6	8.3.4.2.3	8.6.2.3.0
1/2	5.11.1.1.6	6.1.11.3.0	6.4.9.4.6	6.7.7.6.0	6.10.5.7.6	7.1.3.9.0	7.4.1.10.6	7.7.0.0.0	7.9.10.1.6	8.0.8.3.0	8.3.6.4.6	8.6.4.6.0
3/4	5.11.2.8.3	6.2.0.10.6	6.4.11.0.9	6.7.9.3.0	6.10.7.5.3	7.1.5.7.6	7.4.3.9.9	7.7.2.0.0	7.10.0.2.3	8.0.10.4.6	8.3.8.6.9	8.6.6.9.0
11.5.0	5.11.4.3.0	6.2.2.6.0	6.5.0.9.0	6.7.11.0.0	6.10.9.3.0	7.1.7.6.0	7.4.5.9.0	7.7.4.0.0	7.10.2.3.0	8.1.0.6.0	8.3.10.9.0	8.6.9.0.0
1/4	5.11.5.9.9	6.2.4.1.6	6.5.2.5.3	6.8.0.9.0	6.10.11.0.9	7.1.9.4.6	7.4.7.8.3	7.7.6.0.0	7.10.4.3.9	8.1.2.7.6	8.4.0.11.3	8.6.11.3.0
1/2	5.11.7.4.6	6.2.5.9.0	6.5.4.1.6	6.8.2.6.0	6.11.0.10.6	7.1.11.3.0	7.4.9.7.6	7.7.8.0.0	7.10.6.4.6	8.1.4.9.0	8.4.3.1.6	8.7.1.6.0
3/4	5.11.8.11.3	6.2.7.4.6	6.5.5.9.9	6.8.4.3.0	6.11.2.8.3	7.2.1.1.6	7.4.11.6.9	7.7.10.0.0	7.10.8.5.3	8.1.6.10.6	8.4.5.3.9	8.7.3.9.0
11.6.0	5.11.10.6.0	6.2.9.0.0	6.5.7.6.0	6.8.6.0.0	6.11.4.6.0	7.2.3.0.0	7.5.1.6.0	7.8.0.0.0	7.10.10.6.0	8.1.9.0.0	8.4.7.6.0	8.7.6.0.0
1/4	6.0.0.0.9	6.2.10.7.6	6.5.9.2.3	6.8.7.9.0	6.11.6.3.9	7.2.4.10.6	7.5.3.5.3	7.8.2.0.0	7.11.0.6.9	8.1.11.1.6	8.4.9.8.3	8.7.8.3.0
1/2	6.0.1.7.6	6.3.0.3.0	6.5.10.10.6	6.8.9.6.0	6.11.8.1.6	7.2.6.9.0	7.5.5.4.6	7.8.4.0.0	7.11.2.7.6	8.2.1.3.0	8.4.11.10.6	8.7.10.6.0
3/4	6.0.3.2.3	6.3.1.10.6	6.6.0.6.9	6.8.11.3.0	6.11.9.11.3	7.2.8.7.6	7.5.7.3.9	7.8.6.0.0	7.11.4.8.3	8.2.3.4.6	8.5.2.0.9	8.8.0.9.0
11.7.0	6.0.4.9.0	6.3.3.6.0	6.6.2.3.0	6.9.1.0.0	6.11.11.9.0	7.2.10.6.0	7.5.9.3.0	7.8.8.0.0	7.11.6.9.0	8.2.5.6.0	8.5.4.3.0	8.8.3.0.0
1/4	6.0.6.3.9	6.3.5.1.6	6.6.3.11.3	6.9.2.9.0	7.0.1.6.9	7.3.0.4.6	7.5.11.2.3	7.8.10.0.0	7.11.8.9.9	8.2.7.7.6	8.5.6.5.3	8.8.5.3.0
1/2	6.0.7.10.6	6.3.6.9.0	6.6.5.7.6	6.9.4.6.0	7.0.3.4.6	7.3.2.3.0	7.6.1.1.6	7.9.0.0.0	7.11.10.10.6	8.2.9.9.0	8.5.8.7.6	8.8.7.6.0
3/4	6.0.9.5.3	6.3.8.4.6	6.6.7.3.9	6.9.6.3.0	7.0.5.2.3	7.3.4.1.6	7.6.3.0.9	7.9.2.0.0	8.0.0.11.3	8.2.11.10.6	8.5.10.9.9	8.8.9.9.0
11.8.0	6.0.11.0.0	6.3.10.0.0	6.6.9.0.0	6.9.8.0.0	7.0.7.0.0	7.3.6.0.0	7.6.5.0.0	7.9.4.0.0	8.0.3.0.0	8.3.2.0.0	8.6.1.0.0	8.9.0.0.0
1/4	6.1.0.6.9	6.3.11.7.6	6.6.10.8.3	6.9.9.9.0	7.0.8.9.9	7.3.7.10.6	7.6.6.11.3	7.9.6.0.0	8.0.5.0.9	8.3.4.1.6	8.6.3.2.3	8.9.2.3.0
1/2	6.1.2.1.6	6.4.1.3.0	6.7.0.4.6	6.9.11.6.0	7.0.10.7.6	7.3.9.9.0	7.6.8.10.6	7.9.8.0.0	8.0.7.1.6	8.3.6.3.0	8.6.5.4.6	8.9.4.6.0
3/4	6.1.3.8.3	6.4.2.10.6	6.7.2.0.9	6.10.1.3.0	7.1.0.5.3	7.3.11.7.6	7.6.10.9.9	7.9.10.0.0	8.0.9.2.3	8.3.8.4.6	8.6.7.6.9	8.9.6.9.0
11.9.0	6.1.5.3.0	6.4.4.6.0	6.7.3.9.0	6.10.3.0.0	7.1.2.3.0	7.4.1.6.0	7.7.0.9.0	7.10.0.0.0	8.0.11.3.0	8.3.10.6.0	8.6.9.9.0	8.9.9.0.0
1/4	6.1.6.9.9	6.4.6.1.6	6.7.5.5.3	6.10.4.9.0	7.1.4.0.9	7.4.3.4.6	7.7.2.8.3	7.10.2.0.0	8.1.1.3.9	8.4.0.7.6	8.6.11.11.3	8.9.11.3.0
1/2	6.1.8.4.6	6.4.7.9.0	6.7.7.1.6	6.10.6.6.0	7.1.5.10.6	7.4.5.3.0	7.7.4.7.6	7.10.4.0.0	8.1.3.4.6	8.4.2.9.0	8.7.2.1.6	8.10.1.6.0
3/4	6.1.9.11.3	6.4.9.4.6	6.7.8.9.9	6.10.8.3.0	7.1.7.8.3	7.4.7.1.6	7.7.6.6.9	7.10.6.0.0	8.1.5.5.3	8.4.4.10.6	8.7.4.3.9	8.10.3.9.0
11.10.0	6.1.11.6.0	6.4.11.0.0	6.7.10.6.0	6.10.10.0.0	7.1.9.6.0	7.4.9.0.0	7.7.8.6.0	7.10.8.0.0	8.1.7.6.0	8.4.7.0.0	8.7.6.6.0	8.10.6.0.0
1/4	6.2.1.0.9	6.5.0.7.6	6.8.0.2.3	6.10.11.9.0	7.1.11.3.9	7.4.10.10.6	7.7.10.5.3	7.10.10.0.0	8.1.9.6.9	8.4.9.1.6	8.7.8.8.3	8.10.8.3.0
1/2	6.2.2.7.6	6.5.2.3.0	6.8.1.10.6	6.11.1.6.0	7.2.1.1.6	7.5.0.9.0	7.8.0.4.6	7.11.0.0.0	8.1.11.7.6	8.4.11.3.0	8.7.10.10.6	8.10.10.6.0
3/4	6.2.4.2.3	6.5.3.10.6	6.8.3.6.9	6.11.3.3.0	7.2.2.11.3	7.5.2.7.6	7.8.2.3.9	7.11.2.0.0	8.2.1.8.3	8.5.1.4.6	8.8.1.0.9	8.11.0.9.0
11.11.0	6.2.5.9.0	6.5.5.6.0	6.8.5.3.0	6.11.5.0.0	7.2.4.9.0	7.5.4.6.0	7.8.4.3.0	7.11.4.0.0	8.2.3.9.0	8.5.3.6.0	8.8.3.3.0	8.11.3.0.0
1/4	6.2.7.3.9	6.5.7.1.6	6.8.6.11.3	6.11.6.9.0	7.2.6.6.9	7.5.6.4.6	7.8.6.2.3	7.11.6.0.0	8.2.5.9.9	8.5.5.7.6	8.8.5.5.3	8.11.5.3.0
1/2	6.2.8.10.6	6.5.8.9.0	6.8.8.7.6	6.11.8.6.0	7.2.8.4.6	7.5.8.3.0	7.8.8.1.6	7.11.8.0.0	8.2.7.10.6	8.5.7.9.0	8.8.7.7.6	8.11.7.6.0
3/4	6.2.10.5.3	6.5.10.4.6	6.8.10.3.9	6.11.10.3.0	7.2.10.2.3	7.5.10.1.6	7.8.10.0.9	7.11.10.0.0	8.2.9.11.3	8.5.9.10.6	8.8.9.9.9	8.11.9.9.0
12.0.0	6.3.0.0.0	6.6.0.0.0	6.9.0.0.0	7.0.0.0.0	7.3.0.0.0	7.6.0.0.0	7.9.0.0.0	8.0.0.0.0	8.3.0.0.0	8.6.0.0.0	8.9.0.0.0	9.0.0.0.0
1/4	6.3.1.6.9	6.6.1.7.6	6.9.1.8.3	7.0.1.9.0	7.3.1.9.9	7.6.1.10.6	7.9.1.11.3	8.0.2.0.0	8.3.2.0.9	8.6.2.1.6	8.9.2.2.3	9.0.2.3.0
1/2	6.3.3.1.6	6.6.3.3.0	6.9.3.4.6	7.0.3.6.0	7.3.3.7.6	7.6.3.9.0	7.9.3.10.6	8.0.4.0.0	8.3.4.1.6	8.6.4.3.0	8.9.4.4.6	9.0.4.6.0
3/4	6.3.4.8.3	6.6.4.10.6	6.9.5.0.9	7.0.5.3.0	7.3.5.5.3	7.6.5.7.6	7.9.5.9.9	8.0.6.0.0	8.3.6.2.3	8.6.6.4.6	8.9.6.6.9	9.0.6.9.0
12.1.0	6.3.6.3.0	6.6.6.6.0	6.9.6.9.0	7.0.7.0.0	7.3.7.3.0	7.6.7.6.0	7.9.7.9.0	8.0.8.0.0	8.3.8.3.0	8.6.8.6.0	8.9.8.9.0	9.0.9.0.0
1/4	6.3.7.9.9	6.6.8.1.6	6.9.8.5.3	7.0.8.9.0	7.3.9.0.9	7.6.9.4.6	7.9.9.8.3	8.0.10.0.0	8.3.10.3.9	8.6.10.7.6	8.9.10.11.3	9.0.11.3.0
1/2	6.3.9.4.6	6.6.9.9.0	6.9.10.1.6	7.0.10.6.0	7.3.10.10.6	7.6.11.3.0	7.9.11.7.6	8.1.0.0.0	8.4.0.4.6	8.7.0.9.0	8.10.1.1.6	9.1.1.6.0
3/4	6.3.10.11.3	6.6.11.4.6	6.9.11.9.9	7.1.0.3.0	7.4.0.8.3	7.7.1.1.6	7.10.1.6.9	8.1.2.0.0	8.4.2.5.3	8.7.2.10.6	8.10.3.3.9	9.1.3.9.0
12.2.0	6.4.0.6.0	6.7.1.0.0	6.10.1.6.0	7.1.2.0.0	7.4.2.6.0	7.7.3.0.0	7.10.3.6.0	8.1.4.0.0	8.4.4.6.0	8.7.5.0.0	8.10.5.6.0	9.1.6.0.0
1/4	6.4.1.0.9	6.7.2.7.6	6.10.3.2.3	7.1.3.9.0	7.4.4.3.9	7.7.4.10.6	7.10.5.5.3	8.1.6.0.0	8.4.6.6.9	8.7.7.1.6	8.10.7.8.3	9.1.8.3.0
1/2	6.4.3.7.6	6.7.4.3.0	6.10.4.10.6	7.1.5.6.0	7.4.6.1.6	7.7.6.9.0	7.10.7.4.6	8.1.8.0.0	8.4.8.7.6	8.7.9.3.0	8.10.9.10.6	9.1.10.6.0
3/4	6.4.5.2.3	6.7.5.10.6	6.10.6.6.9	7.1.7.3.0	7.4.7.11.3	7.7.8.7.6	7.10.9.3.9	8.1.10.0.0	8.4.10.8.3	8.7.11.4.6	8.11.0.0.9	9.2.0.9.0
12.3.0	6.4.6.9.0	6.7.7.6.0	6.10.8.3.0	7.1.9.0.0	7.4.9.9.0	7.7.10.6.0	7.10.11.3.0	8.2.0.0.0	8.5.0.9.0	8.8.1.6.0	8.11.2.3.0	9.2.3.0.0
1/4	6.4.8.3.9	6.7.9.1.6	6.10.9.11.3	7.1.10.9.0	7.4.11.6.9	7.8.0.4.6	7.11.1.2.3	8.2.2.0.0	8.5.2.9.9	8.8.3.7.6	8.11.4.5.3	9.2.5.3.0
1/2	6.4.9.10.6	6.7.10.9.0	6.10.11.7.6	7.2.0.6.0	7.5.1.4.6	7.8.2.3.0	7.11.3.1.6	8.2.4.0.0	8.5.4.10.6	8.8.5.9.0	8.11.6.7.6	9.2.7.6.0
3/4	6.4.11.5.3	6.8.0.4.6	6.11.1.3.9	7.2.2.3.0	7.5.3.2.3	7.8.4.1.6	7.11.5.0.9	8.2.6.0.0	8.5.6.11.3	8.8.7.10.6	8.11.8.9.9	9.2.9.9.0
12.4.0	6.5.1.0.0	6.8.2.0.0	6.11.3.0.0	7.2.4.0.0	7.5.5.0.0	7.8.6.0.0	7.11.7.0.0	8.2.8.0.0	8.5.9.0.0	8.8.10.0.0	8.11.11.0.0	9.3.0.0.0
1/4	6.5.2.6.9	6.8.3.7.6	6.11.4.8.3	7.2.5.9.0	7.5.6.9.9	7.8.7.10.6	7.11.8.11.3	8.2.10.0.0	8.5.11.0.9	8.9.0.1.6	9.0.1.2.3	9.3.2.3.0
1/2	6.5.4.1.6	6.8.5.3.0	6.11.6.4.6	7.2.7.6.0	7.5.8.7.6	7.8.9.9.0	7.11.10.10.6	8.3.0.0.0	8.6.1.1.6	8.9.2.3.0	9.0.3.4.6	9.3.4.6.0
3/4	6.5.5.8.3	6.8.6.10.6	6.11.8.0.9	7.2.9.3.0	7.5.10.5.3	7.8.11.7.6	8.0.0.9.9	8.3.2.0.0	8.6.3.2.3	8.9.4.4.6	9.0.5.6.9	9.3.6.9.0
12.5.0	6.5.7.3.0	6.8.8.6.0	6.11.9.9.0	7.2.11.0.0	7.6.0.3.0	7.9.1.6.0	8.0.2.9.0	8.3.4.0.0	8.6.5.3.0	8.9.6.6.0	9.0.7.9.0	9.3.9.0.0
1/4	6.5.8.9.9	6.8.10.1.6	6.11.11.5.3	7.3.0.9.0	7.6.2.0.9	7.9.3.4.6	8.0.4.8.3	8.3.6.0.0	8.6.7.3.9	8.9.8.7.6	9.0.9.11.3	9.3.11.3.0
1/2	6.5.10.4.6	6.8.11.9.0	7.0.1.1.6	7.3.2.6.0	7.6.3.10.6	7.9.5.3.0	8.0.6.7.6	8.3.8.0.0	8.6.9.4.6	8.9.10.9.0	9.1.0.1.6	9.4.1.6.0
3/4	6.5.11.11.3	6.9.1.4.6	7.0.2.9.9	7.3.4.3.0	7.6.5.8.3	7.9.7.1.6	8.0.8.6.9	8.3.10.0.0	8.6.11.5.3	8.10.0.10.6	9.1.2.3.9	9.4.3.9.0

from 9 inches by 9 inches and 1 quarter to 10 inches and 3 quarters by 10 inches and 3 quarters

F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	0.9.1/4	0.9.1/2	0.9.3/4	0.10.0	0.10.1/4	0.10.1/2	0.10.3/4	0.11.0	0.11.1/4	0.11.1/2	0.11.3/4	1.0.0
0.9.0	0.6.11.3.0											
1/4	0.7.1.6.9											
1/2	0.7.3.10.6	0.7.6.3.0										
3/4	0.7.6.2.3	0.7.8.7.6	0.7.11.0.9									
0.10.0	0.7.8.6.0	0.7.11.0.0	0.8.1.6.0	0.8.4.0.0								
1/4	0.7.10.9.9	0.8.1.4.6	0.8.3.11.3	0.8.6.6.0	0.8.9.0.9							
1/2	0.8.1.1.6	0.8.3.9.0	0.8.6.4.6	0.8.9.0.0	0.8.11.7.6	0.9.2.3.0						
3/4	0.8.3.5.3	0.8.6.1.6	0.8.8.9.9	0.8.11.6.0	0.9.2.2.3	0.9.4.10.6	0.9.7.6.9					

A TABLE OF FEET AND INCHES

from 11 inches by 9 inches and 1 quarter to 3 foot 4 inches and 3 quarters by 1 foot.

F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	0.9.¼	0.9.½	0.9.¾	0.10.0	0.10.¼	0.10.½	0.10.¾	0.11.0	0.11.¼	0.11.½	0.11.¾	1.0.0
0.11.0	0.8.5.0.0	0.8.8.6.0	0.8.11.3.0	0.9.2.0.0	0.9.4.9.0	0.9.7.6.0	0.9.10.3.0	0.10.1.0.0				
¼	0.8.8.0.0	0.8.10.10.6	0.9.1.8.3	0.9.4.6.0	0.9.7.3.9	0.9.10.1.6	0.10.0.11.3	0.10.3.9.0	0.10.6.6.9			
½	0.8.10.4.6	0.9.1.3.0	0.9.4.1.6	0.9.7.0.0	0.9.9.10.6	0.10.0.9.0	0.10.3.7.6	0.10.6.6.0	0.10.9.4.6	0.11.0.3.0		
¾	0.9.0.8.3	0.9.3.7.6	0.9.6.6.9	0.9.9.6.0	0.10.0.5.3	0.10.3.4.6	0.10.6.3.9	0.10.9.3.0	0.11.0.2.3	0.11.3.1.6	0.11.6.0.9	
1.0.0	0.9.3.0.0	0.9.6.0.0	0.9.9.0.0	0.10.0.0.0	0.10.3.0.0	0.10.6.0.0	0.10.9.0.0	0.11.0.0.0	0.11.3.0.0	0.11.6.0.0	0.11.9.0.0	1.0.0.0.0
¼	0.9.5.3.9	0.9.8.4.6	0.9.11.5.3	0.10.2.6.0	0.10.5.6.9	0.10.8.7.6	0.10.11.8.3	0.11.2.9.0	0.11.5.9.9	0.11.8.10.6	0.11.11.11.3	1.0.3.0.0
½	0.9.7.7.6	0.9.10.9.0	0.10.1.10.6	0.10.5.0.0	0.10.8.1.6	0.10.11.3.0	0.11.2.4.6	0.11.5.6.0	0.11.8.7.6	0.11.11.9.0	1.0.2.10.6	1.0.6.0.0
¾	0.9.9.11.3	0.10.1.1.6	0.10.4.3.9	0.10.7.6.0	0.10.10.8.3	0.11.1.10.6	0.11.5.0.9	0.11.8.3.0	0.11.11.5.3	1.0.2.7.6	1.0.5.9.9	1.0.9.0.0
1.1.0	0.10.0.3.0	0.10.3.6.0	0.10.6.9.0	0.10.10.0.0	0.11.1.3.0	0.11.4.6.0	0.11.7.9.0	0.11.11.0.0	1.0.2.3.0	1.0.5.6.0	1.0.8.9.0	1.1.0.0.0
¼	0.10.2.6.0	0.10.5.10.6	0.10.9.2.3	0.11.0.6.0	0.11.3.9.9	0.11.7.1.6	0.11.10.5.3	1.0.1.9.0	1.0.5.0.9	1.0.8.4.6	1.0.11.8.3	1.1.3.0.0
½	0.10.4.10.6	0.10.8.3.0	0.10.11.7.6	0.11.3.0.0	0.11.6.4.6	0.11.9.9.0	1.0.1.1.6	1.0.4.6.0	1.0.7.10.6	1.0.11.3.0	1.1.2.7.6	1.1.6.0.0
¾	0.10.7.2.3	0.10.10.7.6	0.11.2.0.9	0.11.5.6.0	0.11.8.11.3	1.0.0.4.6	1.0.3.9.9	1.0.7.3.0	1.0.10.8.3	1.1.2.1.6	1.1.5.6.9	1.1.9.0.0
1.2.0	0.10.9.6.0	0.11.1.0.0	0.11.4.6.0	0.11.8.0.0	0.11.11.6.0	1.0.3.0.0	1.0.6.6.0	1.0.10.0.0	1.1.1.6.0	1.1.5.0.0	1.1.8.6.0	1.2.0.0.0
¼	0.10.11.9.9	0.11.3.4.6	0.11.6.11.3	0.11.10.6.0	1.0.2.0.9	1.0.5.7.6	1.0.9.2.3	1.1.0.9.0	1.1.4.3.9	1.1.7.10.6	1.1.11.5.3	1.2.3.0.0
½	0.11.2.1.6	0.11.5.9.0	0.11.9.4.6	1.0.1.0.0	1.0.4.7.6	1.0.8.3.0	1.0.11.10.6	1.1.3.6.0	1.1.7.1.6	1.1.10.9.0	1.2.2.4.6	1.2.6.0.0
¾	0.11.4.5.3	0.11.8.1.6	0.11.11.9.9	1.0.3.6.0	1.0.7.2.3	1.0.10.10.6	1.1.2.6.9	1.1.6.3.0	1.1.9.11.3	1.2.1.7.6	1.2.5.3.9	1.2.9.0.0
1.3.0	0.11.6.9.0	0.11.10.6.0	1.0.2.3.0	1.0.6.0.0	1.0.9.9.0	1.1.1.6.0	1.1.5.3.0	1.1.9.0.0	1.2.0.9.0	1.2.4.6.0	1.2.8.3.0	1.3.0.0.0
¼	0.11.9.0.9	1.0.0.10.6	1.0.4.8.3	1.0.8.6.0	1.1.0.3.9	1.1.4.1.6	1.1.7.11.3	1.1.11.9.0	1.2.3.6.9	1.2.7.4.6	1.2.11.2.3	1.3.3.0.0
½	0.11.11.4.6	1.0.3.3.0	1.0.7.1.6	1.0.11.0.0	1.1.2.10.6	1.1.6.9.0	1.1.10.7.6	1.2.2.6.0	1.2.6.4.6	1.2.10.3.0	1.3.2.1.6	1.3.6.0.0
¾	1.0.1.8.3	1.0.5.7.6	1.0.9.6.9	1.1.1.6.0	1.1.5.5.3	1.1.9.4.6	1.2.1.3.9	1.2.5.3.0	1.2.9.2.3	1.3.1.1.6	1.3.5.0.9	1.3.9.0.0
1.4.0	1.0.4.0.0	1.0.8.0.0	1.1.0.0.0	1.1.4.0.0	1.1.8.0.0	1.2.0.0.0	1.2.4.0.0	1.2.8.0.0	1.3.0.0.0	1.3.4.0.0	1.3.8.0.0	1.4.0.0.0
¼	1.0.6.3.9	1.0.10.4.6	1.1.2.5.3	1.1.6.6.0	1.1.10.6.9	1.2.2.7.6	1.2.6.8.3	1.2.10.9.0	1.3.2.9.9	1.3.6.10.6	1.3.10.11.3	1.4.3.0.0
½	1.0.8.7.6	1.1.0.9.0	1.1.4.10.6	1.1.9.0.0	1.2.1.1.6	1.2.5.3.0	1.2.9.4.6	1.3.1.6.0	1.3.5.7.6	1.3.9.9.0	1.4.1.10.6	1.4.6.0.0
¾	1.0.10.11.3	1.1.3.1.6	1.1.7.3.9	1.1.11.6.0	1.2.3.8.3	1.2.7.10.6	1.3.0.0.9	1.3.4.3.0	1.3.8.5.3	1.4.0.7.6	1.4.4.9.9	1.4.9.0.0
1.5.0	1.1.1.3.0	1.1.5.6.0	1.1.9.9.0	1.2.2.0.0	1.2.6.3.0	1.2.10.6.0	1.3.2.9.0	1.3.7.0.0	1.3.11.3.0	1.4.3.6.0	1.4.7.9.0	1.5.0.0.0
¼	1.1.3.6.9	1.1.7.10.6	1.2.0.2.3	1.2.4.6.0	1.2.8.9.9	1.3.1.1.6	1.3.5.5.3	1.3.9.9.0	1.4.2.0.9	1.4.6.4.6	1.4.10.8.3	1.5.3.0.0
½	1.1.5.10.6	1.1.10.3.0	1.2.2.7.6	1.2.7.0.0	1.2.11.4.6	1.3.3.9.0	1.3.8.1.6	1.4.0.6.0	1.4.4.10.6	1.4.9.3.0	1.5.1.7.6	1.5.6.0.0
¾	1.1.8.2.3	1.2.0.7.6	1.2.5.0.9	1.2.9.6.0	1.3.1.11.3	1.3.6.4.6	1.3.10.9.9	1.4.3.3.0	1.4.7.8.3	1.5.0.1.6	1.5.4.6.9	1.5.9.0.0
1.6.0	1.1.10.6.0	1.2.3.0.0	1.2.7.6.0	1.3.0.0.0	1.3.4.6.0	1.3.9.0.0	1.4.1.6.0	1.4.6.0.0	1.4.10.6.0	1.5.3.0.0	1.5.7.6.0	1.6.0.0.0
¼	1.2.0.9.9	1.2.5.4.6	1.2.9.11.3	1.3.2.6.0	1.3.7.0.9	1.3.11.7.6	1.4.4.2.3	1.4.8.9.0	1.5.1.3.9	1.5.5.10.6	1.5.10.5.3	1.6.3.0.0
½	1.2.3.1.6	1.2.7.9.0	1.3.0.4.6	1.3.5.0.0	1.3.9.7.6	1.4.2.3.0	1.4.6.10.6	1.4.11.6.0	1.5.4.1.6	1.5.8.9.0	1.6.1.4.6	1.6.6.0.0
¾	1.2.5.5.3	1.2.10.1.6	1.3.2.9.9	1.3.7.6.0	1.4.0.2.3	1.4.4.10.6	1.4.9.6.9	1.5.2.3.0	1.5.6.11.3	1.5.11.7.6	1.6.4.3.9	1.6.9.0.0
1.7.0	1.2.7.9.0	1.3.0.6.0	1.3.5.3.0	1.3.10.0.0	1.4.2.9.0	1.4.7.6.0	1.5.0.3.0	1.5.5.0.0	1.5.9.9.0	1.6.2.6.0	1.6.7.3.0	1.7.0.0.0
¼	1.2.10.0.9	1.3.2.10.6	1.3.7.8.3	1.4.0.6.0	1.4.5.3.9	1.4.10.1.6	1.5.2.11.3	1.5.7.9.0	1.6.0.6.9	1.6.5.4.6	1.6.10.2.3	1.7.3.0.0
½	1.3.0.4.6	1.3.5.3.0	1.3.10.1.6	1.4.3.0.0	1.4.7.10.6	1.5.0.9.0	1.5.5.7.6	1.5.10.6.0	1.6.3.4.6	1.6.8.3.0	1.7.1.1.6	1.7.6.0.0
¾	1.3.2.8.3	1.3.7.7.6	1.4.0.6.9	1.4.5.6.0	1.4.10.5.3	1.5.3.4.6	1.5.8.3.9	1.6.1.3.0	1.6.6.2.3	1.6.11.1.6	1.7.4.0.9	1.7.9.0.0
1.8.0	1.3.5.0.0	1.3.10.0.0	1.4.3.0.0	1.4.8.0.0	1.5.1.0.0	1.5.6.0.0	1.5.11.0.0	1.6.4.0.0	1.6.9.0.0	1.7.2.0.0	1.7.7.0.0	1.8.0.0.0
¼	1.3.7.3.9	1.4.0.4.6	1.4.5.5.3	1.4.10.6.0	1.5.3.6.9	1.5.8.7.6	1.6.1.8.3	1.6.6.9.0	1.6.11.9.9	1.7.4.10.6	1.7.9.11.3	1.8.3.0.0
½	1.3.9.7.6	1.4.2.9.0	1.4.7.10.6	1.5.1.0.0	1.5.6.1.6	1.5.11.3.0	1.6.4.4.6	1.6.9.6.0	1.7.2.7.6	1.7.7.9.0	1.8.0.10.6	1.8.6.0.0
¾	1.3.11.11.3	1.4.5.1.6	1.4.10.3.9	1.5.3.6.0	1.5.8.8.3	1.6.1.10.6	1.6.7.0.9	1.7.0.3.0	1.7.5.5.3	1.7.10.7.6	1.8.3.9.9	1.8.9.0.0
1.9.0	1.4.2.3.0	1.4.7.6.0	1.5.0.9.0	1.5.6.0.0	1.5.11.3.0	1.6.4.6.0	1.6.9.9.0	1.7.3.0.0	1.7.8.3.0	1.8.1.6.0	1.8.6.9.0	1.9.0.0.0
¼	1.4.4.0.9	1.4.9.10.6	1.5.3.2.3	1.5.8.6.0	1.6.1.9.9	1.6.7.1.6	1.7.0.5.3	1.7.5.9.0	1.7.11.0.9	1.8.4.4.6	1.8.9.8.3	1.9.3.0.0
½	1.4.6.10.6	1.5.0.3.0	1.5.5.7.6	1.5.11.0.0	1.6.4.4.6	1.6.9.9.0	1.7.3.1.6	1.7.8.6.0	1.8.1.10.6	1.8.7.3.0	1.9.0.7.6	1.9.6.0.0
¾	1.4.9.2.3	1.5.2.7.6	1.5.8.0.9	1.6.1.6.0	1.6.6.11.3	1.7.0.4.6	1.7.5.9.9	1.7.11.3.0	1.8.4.8.3	1.8.10.1.6	1.9.3.6.9	1.9.9.0.0
1.10.0	1.4.11.6.0	1.5.5.0.0	1.5.10.6.0	1.6.4.0.0	1.6.9.6.0	1.7.3.0.0	1.7.8.6.0	1.8.2.0.0	1.8.7.6.0	1.9.1.0.0	1.9.6.6.0	1.10.0.0.0
¼	1.5.1.9.9	1.5.7.4.6	1.6.0.11.3	1.6.6.6.0	1.7.0.0.9	1.7.5.7.6	1.7.11.2.3	1.8.4.9.0	1.8.10.3.9	1.9.3.10.6	1.9.9.5.3	1.10.3.0.0
½	1.5.4.1.6	1.5.9.9.0	1.6.3.4.6	1.6.9.0.0	1.7.2.7.6	1.7.8.3.0	1.8.1.10.6	1.8.7.6.0	1.9.1.1.6	1.9.6.9.0	1.10.0.4.6	1.10.6.0.0
¾	1.5.6.5.3	1.6.0.1.6	1.6.5.9.9	1.6.11.6.0	1.7.5.2.3	1.7.10.10.6	1.8.4.6.9	1.8.10.3.0	1.9.3.11.3	1.9.9.7.6	1.10.3.3.9	1.10.9.0.0
1.11.0	1.5.8.0.0	1.6.2.6.0	1.6.8.3.0	1.7.2.0.0	1.7.7.9.0	1.8.1.6.0	1.8.7.3.0	1.9.1.0.0	1.9.6.9.0	1.10.0.6.0	1.10.6.3.0	1.11.0.0.0
¼	1.5.11.0.9	1.6.4.10.6	1.6.10.8.3	1.7.4.6.0	1.7.10.3.9	1.8.4.1.6	1.8.9.11.3	1.9.3.9.0	1.9.9.6.9	1.10.3.4.6	1.10.9.2.3	1.11.3.0.0
½	1.6.1.4.6	1.6.7.3.0	1.7.1.1.6	1.7.7.0.0	1.8.0.10.6	1.8.6.9.0	1.9.0.7.6	1.9.6.6.0	1.10.0.4.6	1.10.6.3.0	1.11.0.1.6	1.11.6.0.0
¾	1.6.3.8.3	1.6.9.7.6	1.7.3.6.9	1.7.9.6.0	1.8.3.5.3	1.8.9.4.6	1.9.3.3.9	1.9.9.3.0	1.10.3.2.3	1.10.9.1.6	1.11.3.0.9	1.11.9.0.0
2.0.0	1.6.6.0.0	1.7.0.0.0	1.7.6.0.0	1.8.0.0.0	1.8.6.0.0	1.9.0.0.0	1.9.6.0.0	1.10.0.0.0	1.10.6.0.0	1.11.0.0.0	1.11.6.0.0	2.0.0.0.0
¼	1.6.8.3.9	1.7.2.4.6	1.7.8.5.3	1.8.2.6.0	1.8.8.6.9	1.9.2.7.6	1.9.8.8.3	1.10.2.9.0	1.10.8.9.9	1.11.2.10.6	1.11.8.11.3	2.0.3.0.0
½	1.6.10.7.6	1.7.4.9.0	1.7.10.10.6	1.8.5.0.0	1.8.11.1.6	1.9.5.3.0	1.9.11.4.6	1.10.5.6.0	1.10.11.7.6	1.11.5.9.0	1.11.11.10.6	2.0.6.0.0
¾	1.7.0.11.3	1.7.7.1.6	1.8.1.3.9	1.8.7.6.0	1.9.1.8.3	1.9.7.10.6	1.10.2.0.9	1.10.8.3.0	1.11.2.5.3	1.11.8.7.6	2.0.2.9.9	2.0.9.0.0
2.1.0	1.7.3.3.0	1.7.9.6.0	1.8.3.9.0	1.8.10.0.0	1.9.4.3.0	1.9.10.6.0	1.10.4.9.0	1.10.11.0.0	1.11.5.3.0	1.11.11.6.0	2.0.5.9.0	2.1.0.0.0
¼	1.7.5.6.9	1.7.11.10.6	1.8.6.2.3	1.9.0.6.0	1.9.6.9.9	1.10.1.1.6	1.10.7.5.3	1.11.1.9.0	1.11.8.0.9	2.0.2.4.6	2.0.8.8.3	2.1.3.0.0
½	1.7.7.10.6	1.8.2.3.0	1.8.8.7.6	1.9.3.0.0	1.9.9.4.6	1.10.3.9.0	1.10.10.1.6	1.11.4.6.0	1.11.10.10.6	2.0.5.3.0	2.0.11.7.6	2.1.6.0.0
¾	1.7.10.2.3	1.8.4.7.6	1.8.11.0.9	1.9.5.6.0	1.9.11.11.3	1.10.6.4.6	1.11.0.9.9	1.11.7.3.0	2.0.1.8.3	2.0.8.1.6	2.1.2.6.9	2.1.9.0.0
2.2.0	1.8.0.6.0	1.8.7.0.0	1.9.1.6.0	1.9.8.0.0	1.10.2.6.0	1.10.9.0.0	1.11.3.6.0	1.11.10.0.0	2.0.4.6.0	2.0.11.0.0	2.1.5.6.0	2.2.0.0.0
¼	1.8.2.9.9	1.8.9.4.6	1.9.3.11.3	1.9.10.6.0	1.10.5.0.9	1.10.11.7.6	1.11.6.2.3	2.0.0.9.0	2.0.7.3.9	2.1.1.10.6	2.1.8.5.3	2.2.3.0.0
½	1.8.5.1.6	1.8.11.9.0	1.9.6.4.6	1.10.1.0.0	1.10.7.7.6	1.11.2.3.0	1.11.8.10.6	2.0.3.6.0	2.0.10.1.6	2.1.4.9.0	2.1.11.4.6	2.2.6.0.0
¾	1.8.7.5.3	1.9.2.1.6	1.9.8.9.9	1.10.3.6.0	1.10.10.2.3	1.11.4.10.6	1.11.11.6.9	2.0.6.3.0	2.1.0.11.3	2.1.7.7.6	2.2.2.3.9	2.2.9.0.0
2.3.0	1.8.9.9.0	1.9.4.6.0	1.9.11.3.0	1.10.6.0.0	1.11.0.9.0	1.11.7.6.0	2.0.2.3.0	2.0.9.0.0	2.1.3.9.0	2.1.10.6.0	2.2.5.3.0	2.3.0.0.0
¼	1.9.0.0.9	1.9.6.10.6	1.10.1.8.3	1.10.8.6.0	1.11.3.3.9	1.11.10.1.6	2.0.4.11.3	2.0.11.9.0	2.1.6.6.9	2.2.1.4.6	2.2.8.2.3	2.3.3.0.0
½	1.9.2.4.6	1.9.9.3.0	1.10.4.1.6	1.10.11.0.0	1.11.5.10.6	2.0.0.9.0	2.0.7.7.6	2.1.2.6.0	2.1.9.4.6	2.2.4.3.0	2.2.11.1.6	2.3.6.0.0
¾	1.9.4.8.3	1.9.11.7.6	1.10.6.6.9	1.11.1.6.0	1.11.8.5.3	2.0.3.4.6	2.0.10.3.9	2.1.5.3.0	2.2.0.2.3	2.2.7.1.6	2.3.2.0.9	2.3.9.0.0
2.4.0	1.9.7.0.0	1.10.2.0.0	1.10.9.0.0	1.11.4.0.0	1.11.11.0.0	2.0.6.0.0	2.1.1.0.0	2.1.8.0.0	2.2.3.0.0	2.2.10.0.0	2.3.5.0.0	2.4.0.0.0
¼	1.9.9.3.9	1.10.4.4.6	1.10.11.5.3	1.11.6.6.0	2.0.1.6.9	2.0.8.7.6	2.1.3.8.3	2.1.10.9.0	2.2.5.9.9	2.3.0.10.6	2.3.7.11.3	2.4.3.0.0
½	1.9.11.7.6	1.10.6.9.0	1.11.1.10.6	1.11.9.0.0	2.0.4.1.6	2.0.11.3.0	2.1.6.4.6	2.2.1.6.0	2.2.8.7.6	2.3.3.9.0	2.3.10.10.6	2.4.6.0.0
¾	1.10.1.11.3	1.10.9.1.6	1.11.4.3.9	1.11.11.6.0	2.0.6.8.3	2.1.1.10.6	2.1.9.0.9	2.2.4.3.0	2.2.11.5.3	2.3.6.7.6	2.4.1.9.9	2.4.9.0.0
2.5.0	1.10.4.3.0	1.10.11.6.0	1.11.6.9.0	2.0.2.0.0	2.0.9.3.0	2.1.4.6.0	2.1.11.9.0	2.2.7.0.0	2.3.2.3.0	2.3.9.6.0	2.4.4.9.0	2.5.0.0.0
¼	1.10.6.6.9	1.11.1.10.6	1.11.9.2.3	2.0.4.6.0	2.0.11.9.9	2.1.7.1.6	2.2.2.5.3	2.2.9.9.0	2.3.5.0.9	2.4.0.4.6	2.4.7.8.3	2.5.3.0.0
½	1.10.8.10.6	1.11.4.3.0	1.11.11.7.6	2.0.7.0.0	2.1.2.4.6	2.1.9.9.0	2.2.5.1.6	2.3.0.6.0	2.3.7.10.6	2.4.3.3.0	2.4.10.7.6	2.5.6.0.0
¾	1.10.11.2.3	1.11.6.7.6	2.0.2.0.9	2.0.9.6.0	2.1.4.11.3	2.2.0.4.6	2.2.7.9.9	2.3.3.3.0	2.3.10.8.3	2.4.6.1.6	2.5.1.6.9	2.5.9.0.0
2.6.0	1.11.1.6.0	1.11.9.0.0	2.0.4.6.0	2.1.0.0.0	2.1.7.6.0	2.2.3.0.0	2.2.10.6.0	2.3.6.0.0	2.4.1.6.0	2.4.9.0.0	2.5.4.6.0	2.6.0.0.0
¼	1.11.3.9.9	1.11.11.4.6	2.0.6.11.3	2.1.2.6.0	2.1.10.0.9	2.2.5.7.6	2.3.1.2.3	2.3.8.9.0	2.4.4.3.9	2.4.11.10.6	2.5.7.5.3	2.6.3.0.0
½	1.11.6.1.6	2.0.1.9.0	2.0.9.4.6	2.1.5.0.0	2.2.0.7.6	2.2.8.3.0	2.3.3.10.6	2.3.11.6.0	2.4.7.1.6	2.5.2.9.0	2.5.10.4.6	2.6.6.0.0
¾	1.11.8.5.3	2.0.4.1.6	2.0.11.9.9	2.1.7.6.0	2.2.3.2.3	2.2.10.10.6	2.3.6.6.9	2.4.2.3.0	2.4.9.11.3	2.5.5.7.6	2.6.1.3.9	2.6.9.0.0
2.7.0	1.11.10.9.0	2.0.6.6.0	2.1.2.3.0	2.1.10.0.0	2.2.5.9.0	2.3.1.6.0	2.3.9.3.0	2.4.5.0.0	2.5.0.9.0	2.5.8.6.0	2.6.4.3.0	2.7.0.0.0
¼	2.0.1.0.9	2.0.8.10.6	2.1.4.8.3	2.2.0.6.0	2.2.8.3.9	2.3.4.1.6	2.3.11.11.3	2.4.7.9.0	2.5.3.6.9	2.5.11.4.6	2.6.7.2.3	2.7.3.0.0
½	2.0.3.4.6	2.0.11.3.0	2.1.7.1.6	2.2.3.0.0	2.2.10.10.6	2.3.6.9.0	2.4.2.7.6	2.4.10.6.0	2.5.6.4.6	2.6.2.3.0	2.6.10.1.6	2.7.6.0.0
¾	2.0.5.8.3	2.1.1.7.6	2.1.9.6.9	2.2.5.6.0	2.3.1.5.3	2.3.9.4.6	2.4.5.3.9	2.5.1.3.0	2.5.9.2.3	2.6.5.1.6	2.7.1.0.9	2.7.9.0.0
2.8.0	2.0.8.0.0	2.1.4.0.0	2.2.0.0.0	2.2.8.0.0	2.3.4.0.0	2.4.0.0.0	2.4.8.0.0	2.5.4.0.0	2.6.0.0.0	2.6.8.0.0	2.7.4.0.0	2.8.0.0.0
¼	2.0.10.3.9	2.1.6.4.6	2.2.2.5.3	2.2.10.6.0	2.3.6.6.9	2.4.2.7.6	2.4.10.8.3	2.5.6.9.0	2.6.2.9.9	2.6.10.10.6	2.7.6.11.3	2.8.3.0.0
½	2.1.0.7.6	2.1.8.9.0	2.2.4.10.6	2.3.1.0.0	2.3.9.1.6	2.4.5.3.0	2.5.1.4.6	2.5.9.6.0	2.6.5.7.6	2.7.1.9.0	2.7.9.10.6	2.8.6.0.0
¾	2.1.2.11.3	2.1.11.1.6	2.2.7.3.9	2.3.3.6.0	2.3.11.8.3	2.4.7.10.6	2.5.4.0.9	2.6.0.3.0	2.6.8.5.3	2.7.4.7.6	2.8.0.9.9	2.8.9.0.0
2.9.0	2.1.5.3.0	2.2.1.6.0	2.2.9.9.0	2.3.6.0.0	2.4.2.3.0	2.4.10.6.0	2.5.6.9.0	2.6.3.0.0	2.6.11.3.0	2.7.7.6.0	2.8.3.9.0	2.9.0.0.0
¼	2.1.7.6.9	2.2.3.10.6	2.3.0.2.3	2.3.8.6.0	2.4.4.9.9	2.5.1.1.6	2.5.9.5.3	2.6.5.9.0	2.7.2.0.9	2.7.10.4.6	2.8.6.8.3	2.9.3.0.0
½	2.1.9.10.6	2.2.6.3.0	2.3.2.7.6	2.3.11.0.0	2.4.7.4.6	2.5.3.9.0	2.6.0.1.6	2.6.8.6.0	2.7.4.10.6	2.8.1.3.0	2.8.9.7.6	2.9.6.0.0
¾	2.2.0.2.3	2.2.8.7.6	2.3.5.0.9	2.4.1.6.0	2.4.9.11.3	2.5.6.4.6	2.6.2.9.9	2.6.11.3.0	2.7.7.8.3	2.8.4.1.6	2.9.0.6.9	2.9.9.0.0
2.10.0	2.2.2.6.0	2.2.11.0.0	2.3.7.6.0	2.4.4.0.0	2.5.0.6.0	2.5.9.0.0	2.6.5.6.0	2.7.2.0.0	2.7.10.6.0	2.8.7.0.0	2.9.3.6.0	2.10.0.0.0
¼	2.2.4.9.9	2.3.1.4.6	2.3.9.11.3	2.4.6.6.0	2.5.3.0.9	2.5.11.7.6	2.6.8.2.3	2.7.4.9.0	2.8.1.3.9	2.8.9.10.6	2.9.6.5.3	2.10.3.0.0
½	2.2.7.1.6	2.3.3.9.0	2.4.0.4.6	2.4.9.0.0	2.5.5.7.6	2.6.2.3.0	2.6.10.10.6	2.7.7.6.0	2.8.4.1.6	2.9.0.9.0	2.9.9.4.6	2.10.6.0.0
¾	2.2.9.5.3	2.3.6.1.6	2.4.2.9.9	2.4.11.6.0	2.5.8.2.3	2.6.4.10.6	2.7.1.6.9	2.7.10.3.0	2.8.6.11.3	2.9.3.7.6	2.10.0.3.9	2.10.9.0.0
2.11.0	2.2.11.9.0	2.3.8.6.0	2.4.5.3.0	2.5.2.0.0	2.5.10.9.0	2.6.7.6.0	2.7.4.3.0	2.8.1.0.0	2.8.9.9.0	2.9.6.6.0	2.10.3.3.0	2.11.0.0.0
¼	2.3.2.0.9	2.3.10.10.6	2.4.7.8.3	2.5.4.6.0	2.6.1.3.9	2.6.10.1.6	2.7.6.11.3	2.8.3.9.0	2.9.0.6.9	2.9.9.4.6	2.10.6.2.3	2.11.3.0.0
½	2.3.4.4.6	2.4.1.3.0	2.4.10.1.6	2.5.7.0.0	2.6.3.10.6	2.7.0.9.0	2.7.9.7.6	2.8.6.6.0	2.9.3.4.6	2.10.0.3.0	2.10.9.1.6	2.11.6.0.0
¾	2.3.6.8.3	2.4.3.7.6	2.5.0.6.9	2.5.9.6.0	2.6.6.5.3	2.7.3.4.6	2.8.0.3.9	2.8.9.3.0	2.9.6.2.3	2.10.3.1.6	2.11.0.0.9	2.11.9.0.0
3.0.0	2.3.9.0.0	2.4.6.0.0	2.5.3.0.0	2.6.0.0.0	2.6.9.0.0	2.7.6.0.0	2.8.3.0.0	2.9.0.0.0	2.9.9.0.0	2.10.6.0.0	2.11.3.0.0	3.0.0.0.0
¼	2.3.11.3.9	2.4.8.4.6	2.5.5.5.3	2.6.2.6.0	2.6.11.6.9	2.7.8.7.6	2.8.5.8.3	2.9.2.9.0	2.9.11.9.9	2.10.8.10.6	2.11.5.11.3	3.0.3.0.0
½	2.4.1.7.6	2.4.10.9.0	2.5.7.10.6	2.6.5.0.0	2.7.2.1.6	2.7.11.3.0	2.8.8.4.6	2.9.5.6.0	2.10.2.7.6	2.10.11.9.0	2.11.8.10.6	3.0.6.0.0
¾	2.4.3.11.3	2.5.1.1.6	2.5.10.3.9	2.6.7.6.0	2.7.4.8.3	2.8.1.10.6	2.8.11.0.9	2.9.8.3.0	2.10.5.5.3	2.11.2.7.6	2.11.11.9.9	3.0.9.0.0
3.1.0	2.4.6.3.0	2.5.3.6.0	2.6.0.9.0	2.6.10.0.0	2.7.7.3.0	2.8.4.6.0	2.9.1.9.0	2.9.11.0.0	2.10.8.3.0	2.11.5.6.0	3.0.2.9.0	3.1.0.0.0
¼	2.4.8.6.9	2.5.5.10.6	2.6.3.2.3	2.7.0.6.0	2.7.9.9.9	2.8.7.1.6	2.9.4.5.3	2.10.1.9.0	2.10.11.0.9	2.11.8.4.6	3.0.5.8.3	3.1.3.0.0
½	2.4.10.10.6	2.5.8.3.0	2.6.5.7.6	2.7.3.0.0	2.8.0.4.6	2.8.9.9.0	2.9.7.1.6	2.10.4.6.0	2.11.1.10.6	2.11.11.3.0	3.0.8.7.6	3.1.6.0.0
¾	2.5.1.2.3	2.5.10.7.6	2.6.8.0.9	2.7.5.6.0	2.8.2.11.3	2.9.0.4.6	2.9.9.9.9	2.10.7.3.0	2.11.4.8.3	3.0.2.1.6	3.0.11.6.9	3.1.9.0.0
3.2.0	2.5.3.6.0	2.6.1.0.0	2.6.10.6.0	2.7.8.0.0	2.8.5.6.0	2.9.3.0.0	2.10.0.6.0	2.10.10.0.0	2.11.7.6.0	3.0.5.0.0	3.1.2.6.0	3.2.0.0.0
¼	2.5.5.9.9	2.6.3.4.6	2.7.0.11.3	2.7.10.6.0	2.8.8.0.9	2.9.5.7.6	2.10.3.2.3	2.11.0.9.0	2.11.10.3.9	3.0.7.10.6	3.1.5.5.3	3.2.3.0.0
½	2.5.8.1.6	2.6.5.9.0	2.7.3.4.6	2.8.1.0.0	2.8.10.7.6	2.9.8.3.0	2.10.5.10.6	2.11.3.6.0	3.0.1.1.6	3.0.10.9.0	3.1.8.4.6	3.2.6.0.0
¾	2.5.10.5.3	2.6.8.1.6	2.7.5.9.9	2.8.3.6.0	2.9.1.2.3	2.9.10.10.6	2.10.8.6.9	2.11.6.3.0	3.0.3.11.3	3.1.1.7.6	3.1.11.3.9	3.2.9.0.0
3.3.0	2.6.0.9.0	2.6.10.6.0	2.7.8.3.0	2.8.6.0.0	2.9.3.9.0	2.10.1.6.0	2.10.11.3.0	2.11.9.0.0	3.0.6.9.0	3.1.4.6.0	3.2.2.3.0	3.3.0.0.0
¼	2.6.3.0.9	2.7.0.10.6	2.7.10.8.3	2.8.8.6.0	2.9.6.3.9	2.10.4.1.6	2.11.1.11.3	2.11.11.9.0	3.0.9.6.9	3.1.7.4.6	3.2.5.2.3	3.3.3.0.0
½	2.6.5.4.6	2.7.3.3.0	2.8.1.1.6	2.8.11.0.0	2.9.8.10.6	2.10.6.9.0	2.11.4.7.6	3.0.2.6.0	3.1.0.4.6	3.1.10.3.0	3.2.8.1.6	3.3.6.0.0
¾	2.6.7.8.3	2.7.3.7.6	2.8.3.6.9	2.9.1.6.0	2.9.11.5.3	2.10.9.4.6	2.11.7.3.9	3.0.5.3.0	3.1.3.2.3	3.2.1.1.6	3.2.11.0.9	3.3.9.0.0
3.4.0	2.6.10.0.0	2.7.8.0.0	2.8.6.0.0	2.9.4.0.0	2.10.2.0.0	2.11.0.0.0	2.11.10.0.0	3.0.8.0.0	3.1.6.0.0	3.2.4.0.0	3.3.2.0.0	3.4.0.0.0
¼	2.7.0.3.9	2.7.10.4.6	2.8.8.5.3	2.9.6.6.0	2.10.4.6.9	2.11.2.7.6	3.0.0.8.3	3.0.10.9.0	3.1.8.9.9	3.2.6.10.6	3.3.4.11.3	3.4.3.0.0
½	2.7.2.7.6	2.8.0.9.0	2.8.10.10.6	2.9.9.0.0	2.10.7.1.6	2.11.5.3.0	3.0.3.4.6	3.1.1.6.0	3.1.11.7.6	3.2.9.9.0	3.3.7.10.6	3.4.6.0.0
¾	2.7.4.11.3	2.8.3.1.6	2.9.1.3.9	2.9.11.6.0	2.10.9.8.3	2.11.7.10.6	3.0.6.0.9	3.1.4.3.0	3.2.2.5.3	3.3.0.7.6	3.3.10.9.9	3.4.9.0.0

A TABLE OF FEET AND INCHES

from 3 foot 5 inches by 9 inches and one quarter to 5 foot 10 inches and 3 quarters by 1 foot

F. I. Parts	F. I. Parts	F. I. Parts	F. I. Parts	F. I. Parts	F. I. Parts
	0.9.¼	0.9.½	0.9.¾	0.10.0	0.10.¼
3.5. 0	2.7.7.3.0	2.8.5.6.0	2.9.3.9.0	2.10.2.0.0	2.11.0.3.0
¼	2.7.9.6.9	2.8.7.10.6	2.9.6.2.3	2.10.4.6.0	2.11.2.9.9
½	2.7.11.10.6	2.8.10.3.0	2.9.8.7.6	2.10.7.0.0	2.11.5.4.6
¾	2.8.2.2.3	2.9.0.7.6	2.9.11.0.9	2.10.9.6.0	2.11.7.11.3
3.6. 0	2.8.4.6.0	2.9.3.0.0	2.10.1.6.0	2.11.0.0.0	2.11.10.6.0
¼	2.8.6.9.9	2.9.5.4.6	2.10.3.11.3	2.11.2.6.0	3.0.1.0.9
½	2.8.9.1.6	2.9.7.9.0	2.10.6.4.6	2.11.5.0.0	3.0.3.7.6
¾	2.8.11.5.3	2.9.10.1.6	2.10.8.9.9	2.11.7.6.0	3.0.6.2.3
3.7. 0	2.9.1.9.0	2.10.0.6.0	2.10.11.3.0	2.11.10.0.0	3.0.8.9.0
¼	2.9.4.0.9	2.10.2.10.6	2.11.1.8.3	3.0.0.6.0	3.0.11.3.9
½	2.9.6.4.6	2.10.5.3.0	2.11.4.1.6	3.0.3.0.0	3.1.1.10.6
¾	2.9.8.8.3	2.10.7.7.6	2.11.6.6.9	3.0.5.6.0	3.1.4.5.3
3.8. 0	2.9.11.0.0	2.10.10.0.0	2.11.9.0.0	3.0.8.0.0	3.1.7.0.0
¼	2.10.1.3.9	2.11.0.4.6	2.11.11.5.3	3.0.10.6.0	3.1.9.6.9
½	2.10.3.7.6	2.11.2.9.0	3.0.1.10.6	3.1.1.0.0	3.2.0.1.6
¾	2.10.5.11.3	2.11.5.1.6	3.0.4.3.9	3.1.3.6.0	3.2.2.8.3
3.9. 0	2.10.8.3.0	2.11.7.6.0	3.0.6.9.0	3.1.6.0.0	3.2.5.3.0
¼	2.10.10.6.9	2.11.9.10.6	3.0.9.2.3	3.1.8.6.0	3.2.7.9.9
½	2.11.0.10.6	3.0.0.3.0	3.0.11.7.6	3.1.11.0.0	3.2.10.4.6
¾	2.11.3.2.3	3.0.2.7.6	3.1.2.0.9	3.2.1.6.0	3.3.0.11.3
3.10. 0	2.11.5.6.0	3.0.5.0.0	3.1.4.6.0	3.2.4.0.0	3.3.3.6.0
¼	2.11.7.9.9	3.0.7.4.6	3.1.6.11.3	3.2.6.6.0	3.3.6.0.9
½	2.11.10.1.6	3.0.9.9.0	3.1.9.4.6	3.2.9.0.0	3.3.8.7.6
¾	3.0.0.5.3	3.1.0.1.6	3.1.11.9.9	3.2.11.6.0	3.3.11.2.3
3.11. 0	3.0.2.9.0	3.1.2.6.0	3.2.2.3.0	3.3.2.0.0	3.4.1.9.0
¼	3.0.5.0.9	3.1.4.10.6	3.2.4.8.3	3.3.4.6.0	3.4.4.3.9
½	3.0.7.4.6	3.1.7.3.0	3.2.7.1.6	3.3.7.0.0	3.4.6.10.6
¾	3.0.9.8.3	3.1.9.7.6	3.2.9.6.9	3.3.9.6.0	3.4.9.5.3
4.0. 0	3.1.0.0.0	3.2.0.0.0	3.3.0.0.0	3.4.0.0.0	3.5.0.0.0
¼	3.1.2.3.9	3.2.2.4.6	3.3.2.5.3	3.4.2.6.0	3.5.2.6.9
½	3.1.4.7.6	3.2.4.9.0	3.3.4.10.6	3.4.5.0.0	3.5.5.1.6
¾	3.1.6.11.3	3.2.7.1.6	3.3.7.3.9	3.4.7.6.0	3.5.7.8.3
4.1. 0	3.1.9.3.0	3.2.9.6.0	3.3.9.9.0	3.4.10.0.0	3.5.10.3.0
¼	3.1.11.6.9	3.2.11.10.6	3.4.0.2.3	3.5.0.6.0	3.6.0.9.9
½	3.2.1.10.6	3.3.2.3.0	3.4.2.7.6	3.5.3.0.0	3.6.3.4.6
¾	3.2.4.2.3	3.3.4.7.6	3.4.5.0.9	3.5.5.6.0	3.6.5.11.3
4.2. 0	3.2.6.6.0	3.3.7.0.0	3.4.7.6.0	3.5.8.0.0	3.6.8.6.0
¼	3.2.8.9.9	3.3.9.4.6	3.4.9.11.3	3.5.10.6.0	3.6.11.0.9
½	3.2.11.1.6	3.3.11.9.0	3.5.0.4.6	3.6.1.0.0	3.7.1.7.6
¾	3.3.1.5.3	3.4.2.1.6	3.5.2.9.9	3.6.3.6.0	3.7.4.2.3
4.3. 0	3.3.3.9.0	3.4.4.6.0	3.5.5.3.0	3.6.6.0.0	3.7.6.9.0
¼	3.3.6.0.9	3.4.6.10.6	3.5.7.8.3	3.6.8.6.0	3.7.9.3.9
½	3.3.8.4.6	3.4.9.3.0	3.5.10.1.6	3.6.11.0.0	3.7.11.10.6
¾	3.3.10.8.3	3.4.11.7.6	3.6.0.6.9	3.7.1.6.0	3.8.2.5.3
4.4. 0	3.4.1.0.0	3.5.2.0.0	3.6.3.0.0	3.7.4.0.0	3.8.5.0.0
¼	3.4.3.3.9	3.5.4.4.6	3.6.5.5.3	3.7.6.6.0	3.8.7.6.9
½	3.4.5.7.6	3.5.6.9.0	3.6.7.10.6	3.7.9.0.0	3.8.10.1.6
¾	3.4.7.11.3	3.5.9.1.6	3.6.10.3.9	3.7.11.6.0	3.9.0.8.3
4.5. 0	3.4.10.3.0	3.5.11.6.0	3.7.0.9.0	3.8.2.0.0	3.9.3.3.0
¼	3.5.0.6.9	3.6.1.10.6	3.7.3.2.3	3.8.4.6.0	3.9.5.9.9
½	3.5.2.10.6	3.6.4.3.0	3.7.5.7.6	3.8.7.0.0	3.9.8.4.6
¾	3.5.5.2.3	3.6.6.7.6	3.7.8.0.9	3.8.9.6.0	3.9.10.11.3
4.6. 0	3.5.7.6.0	3.6.9.0.0	3.7.10.6.0	3.9.0.0.0	3.10.1.6.0
¼	3.5.9.9.9	3.6.11.4.6	3.8.0.11.3	3.9.2.6.0	3.10.4.0.9
½	3.6.0.1.6	3.7.1.9.0	3.8.3.4.6	3.9.5.0.0	3.10.6.7.6
¾	3.6.2.5.3	3.7.4.1.6	3.8.5.9.9	3.9.7.6.0	3.10.9.2.3
4.7. 0	3.6.4.9.0	3.7.6.6.0	3.8.8.3.0	3.9.10.0.0	3.10.11.9.0
¼	3.6.7.0.9	3.7.8.10.6	3.8.10.8.3	3.10.0.6.0	3.11.2.3.9
½	3.6.9.4.6	3.7.11.3.0	3.9.1.1.6	3.10.3.0.0	3.11.4.10.6
¾	3.6.11.8.3	3.8.1.7.6	3.9.3.6.9	3.10.5.6.0	3.11.7.5.3
4.8. 0	3.7.2.0.0	3.8.4.0.0	3.9.6.0.0	3.10.8.0.0	3.11.10.0.0
¼	3.7.4.3.9	3.8.6.4.6	3.9.8.5.3	3.10.10.6.0	4.0.0.6.9
½	3.7.6.7.6	3.8.8.9.0	3.9.10.10.6	3.11.1.0.0	4.0.3.1.6
¾	3.7.8.11.3	3.8.11.1.6	3.10.1.3.9	3.11.3.6.0	4.0.5.8.3
4.9. 0	3.7.11.3.0	3.9.1.6.0	3.10.3.9.0	3.11.6.0.0	4.0.8.3.0
¼	3.8.1.6.9	3.9.3.10.6	3.10.6.2.3	3.11.8.6.0	4.0.10.9.9
½	3.8.3.10.6	3.9.6.3.0	3.10.8.7.6	3.11.11.0.0	4.1.1.4.6
¾	3.8.6.2.3	3.9.8.7.6	3.10.11.0.9	4.0.1.6.0	4.1.3.11.3
4.10. 0	3.8.8.6.0	3.9.11.0.0	3.11.1.6.0	4.0.4.0.0	4.1.6.6.0
¼	3.8.10.9.9	3.10.1.4.6	3.11.3.11.3	4.0.6.6.0	4.1.9.0.9
½	3.9.1.1.6	3.10.3.9.0	3.11.6.4.6	4.0.9.0.0	4.1.11.7.6
¾	3.9.3.5.3	3.10.6.1.6	3.11.8.9.9	4.0.11.6.0	4.2.2.2.3
4.11. 0	3.9.5.9.0	3.10.8.6.0	3.11.11.3.0	4.1.2.0.0	4.2.4.9.0
¼	3.9.8.0.9	3.10.10.10.6	4.0.1.8.3	4.1.4.6.0	4.2.7.3.9
½	3.9.10.4.6	3.11.1.3.0	4.0.4.1.6	4.1.7.0.0	4.2.9.10.6
¾	3.10.0.8.3	3.11.3.7.6	4.0.6.6.9	4.1.9.6.0	4.3.0.5.3
5.0. 0	3.10.3.0.0	3.11.6.0.0	4.0.9.0.0	4.2.0.0.0	4.3.3.0.0
¼	3.10.5.3.9	3.11.8.4.6	4.0.11.5.3	4.2.2.6.0	4.3.5.6.9
½	3.10.7.7.6	3.11.10.9.0	4.1.1.10.6	4.2.5.0.0	4.3.8.1.6
¾	3.10.9.11.3	4.0.1.1.6	4.1.4.3.9	4.2.7.6.0	4.3.10.8.3
5.1. 0	3.11.0.3.0	4.0.3.6.0	4.1.6.9.0	4.2.10.0.0	4.4.1.3.0
¼	3.11.2.6.9	4.0.5.10.6	4.1.9.2.3	4.3.0.6.0	4.4.3.9.9
½	3.11.4.10.6	4.0.8.3.0	4.1.11.7.6	4.3.3.0.0	4.4.6.4.6
¾	3.11.7.2.3	4.0.10.7.6	4.2.2.0.0	4.3.5.6.0	4.4.8.11.3
5.2. 0	3.11.9.6.0	4.1.1.0.0	4.2.4.6.0	4.3.8.0.0	4.4.11.6.0
¼	3.11.11.9.9	4.1.3.4.6	4.2.6.11.3	4.3.10.6.0	4.5.2.0.9
½	4.0.2.1.6	4.1.5.9.0	4.2.9.4.6	4.4.1.0.0	4.5.4.7.6
¾	4.0.4.5.3	4.1.8.1.6	4.2.11.9.9	4.4.3.6.0	4.5.7.2.3
5.3. 0	4.0.6.9.0	4.1.10.6.0	4.3.2.3.0	4.4.6.0.0	4.5.9.9.0
¼	4.0.9.0.9	4.2.0.10.6	4.3.4.8.3	4.4.8.6.0	4.6.0.3.9
½	4.0.11.4.6	4.2.3.3.0	4.3.7.1.6	4.4.11.0.0	4.6.2.10.6
¾	4.1.1.8.3	4.2.5.7.6	4.3.9.6.9	4.5.1.6.0	4.6.5.5.3
5.4. 0	4.1.4.0.0	4.2.8.0.0	4.4.0.0.0	4.5.4.0.0	4.6.8.0.0
¼	4.1.6.3.9	4.2.10.4.6	4.4.2.5.3	4.5.6.6.0	4.6.10.6.9
½	4.1.8.7.6	4.3.0.9.0	4.4.4.10.6	4.5.9.0.0	4.7.1.1.6
¾	4.1.10.11.3	4.3.3.1.6	4.4.7.3.9	4.5.11.6.0	4.7.3.8.3
5.5. 0	4.2.1.3.0	4.3.5.6.0	4.4.9.9.0	4.6.2.0.0	4.7.6.3.0
¼	4.2.3.6.9	4.3.7.10.6	4.5.0.2.3	4.6.4.6.0	4.7.8.9.9
½	4.2.5.10.6	4.3.10.3.0	4.5.2.7.6	4.6.7.0.0	4.7.11.4.6
¾	4.2.8.2.3	4.4.0.7.6	4.5.5.0.9	4.6.9.6.0	4.8.1.11.3
5.6. 0	4.2.10.6.0	4.4.3.0.0	4.5.7.6.0	4.7.0.0.0	4.8.4.6.0
¼	4.3.0.9.9	4.4.5.4.6	4.5.9.11.3	4.7.2.6.0	4.8.7.0.9
½	4.3.3.1.6	4.4.7.9.0	4.6.0.4.6	4.7.5.0.0	4.8.9.7.6
¾	4.3.5.5.3	4.4.10.1.6	4.6.2.9.9	4.7.7.6.0	4.9.0.2.3
5.7. 0	4.3.7.9.0	4.5.0.6.0	4.6.5.3.0	4.7.10.0.0	4.9.2.9.0
¼	4.3.10.0.9	4.5.2.10.6	4.6.7.8.3	4.8.0.6.0	4.9.5.3.9
½	4.4.0.4.6	4.5.5.3.0	4.6.10.1.6	4.8.3.0.0	4.9.7.10.6
¾	4.4.2.8.3	4.5.7.7.6	4.7.0.6.9	4.8.5.6.0	4.9.10.5.3
5.8. 0	4.4.5.0.0	4.5.10.0.0	4.7.3.0.0	4.8.8.0.0	4.10.1.0.0
¼	4.4.7.3.9	4.6.0.4.6	4.7.5.5.3	4.8.10.6.0	4.10.3.6.9
½	4.4.9.7.6	4.6.2.9.0	4.7.7.10.6	4.9.1.0.0	4.10.6.1.6
¾	4.4.11.11.3	4.6.5.1.6	4.7.10.3.9	4.9.3.6.0	4.10.8.8.3
5.9. 0	4.5.2.3.0	4.6.7.6.0	4.8.0.9.0	4.9.6.0.0	4.10.11.3.0
¼	4.5.4.6.9	4.6.9.10.6	4.8.3.2.3	4.9.8.6.0	4.11.1.9.9
½	4.5.6.10.6	4.7.0.3.0	4.8.5.7.6	4.9.11.0.0	4.11.4.4.6
¾	4.5.9.2.3	4.7.2.7.6	4.8.8.0.9	4.10.1.6.0	4.11.6.11.3
5.10. 0	4.5.11.6.0	4.7.5.0.0	4.8.10.6.0	4.10.4.0.0	4.11.9.6.0
¼	4.6.1.9.9	4.7.7.4.6	4.9.0.11.3	4.10.6.6.0	5.0.0.0.9
½	4.6.4.1.6	4.7.9.9.0	4.9.3.4.6	4.10.9.0.0	5.0.2.7.6
¾	4.6.6.5.3	4.8.0.1.6	4.9.5.9.9	4.10.11.6.0	5.0.5.2.3

F. I. Parts	F. I. Parts	F. I. Parts	F. I. Parts	F. I. Parts	F. I. Parts	F. I. Parts	F. I. Parts
	0.10.½	0.10.¾	0.11.0	0.11.¼	0.11.½	0.11.¾	1.0.0
3.5. 0	2.11.10.6.0	3.0.8.9.0	3.1.7.0.0	3.2.5.3.0	3.3.3.6.0	3.4.1.9.0	3.5.0.0.0
¼	3.0.1.1.6	3.0.11.5.3	3.1.9.9.0	3.2.8.0.9	3.3.6.4.6	3.4.4.8.3	3.5.3.0.0
½	3.0.3.9.0	3.1.2.1.6	3.2.0.6.0	3.2.10.10.6	3.3.9.3.0	3.4.7.7.6	3.5.6.0.0
¾	3.0.6.4.6	3.1.4.9.9	3.2.3.3.0	3.3.1.8.3	3.4.0.1.6	3.4.10.6.9	3.5.9.0.0
3.6. 0	3.0.9.0.0	3.1.7.6.0	3.2.6.0.0	3.3.4.6.0	3.4.3.0.0	3.5.1.6.0	3.6.0.0.0
¼	3.0.11.7.6	3.1.10.2.3	3.2.8.9.0	3.3.7.3.9	3.4.5.10.6	3.5.4.5.3	3.6.3.0.0
½	3.1.2.3.0	3.2.0.10.6	3.2.11.6.0	3.3.10.1.6	3.4.8.9.0	3.5.7.4.6	3.6.6.0.0
¾	3.1.4.10.6	3.2.3.6.9	3.3.2.3.0	3.4.0.11.3	3.4.11.7.6	3.5.10.3.9	3.6.9.0.0
3.7. 0	3.1.7.6.0	3.2.6.3.0	3.3.5.0.0	3.4.3.9.0	3.5.2.6.0	3.6.1.3.0	3.7.0.0.0
¼	3.1.10.1.6	3.2.8.11.3	3.3.7.9.0	3.4.6.6.9	3.5.5.4.6	3.6.4.2.3	3.7.3.0.0
½	3.2.0.9.0	3.2.11.7.6	3.3.10.6.0	3.4.9.4.6	3.5.8.3.0	3.6.7.1.6	3.7.6.0.0
¾	3.2.3.4.6	3.3.2.3.9	3.4.1.3.0	3.5.0.2.3	3.5.11.1.6	3.6.10.0.9	3.7.9.0.0
3.8. 0	3.2.6.0.0	3.3.5.0.0	3.4.4.0.0	3.5.3.0.0	3.6.2.0.0	3.7.1.0.0	3.8.0.0.0
¼	3.2.8.7.6	3.3.7.8.3	3.4.6.9.0	3.5.5.9.9	3.6.4.10.6	3.7.3.11.3	3.8.3.0.0
½	3.2.11.3.0	3.3.10.4.6	3.4.9.6.0	3.5.8.7.6	3.6.7.9.0	3.7.6.10.6	3.8.6.0.0
¾	3.3.1.10.6	3.4.1.0.9	3.5.0.3.0	3.5.11.5.3	3.6.10.7.6	3.7.9.9.9	3.8.9.0.0
3.9. 0	3.3.4.6.0	3.4.3.9.0	3.5.3.0.0	3.6.2.3.0	3.7.1.6.0	3.8.0.9.0	3.9.0.0.0
¼	3.3.7.1.6	3.4.6.5.3	3.5.5.9.0	3.6.5.0.9	3.7.4.4.6	3.8.3.8.3	3.9.3.0.0
½	3.3.9.9.0	3.4.9.1.6	3.5.8.6.0	3.6.7.10.6	3.7.7.3.0	3.8.6.7.6	3.9.6.0.0
¾	3.4.0.4.6	3.4.11.9.9	3.5.11.3.0	3.6.10.8.3	3.7.10.1.6	3.8.9.6.9	3.9.9.0.0
3.10. 0	3.4.3.0.0	3.5.2.6.0	3.6.2.0.0	3.7.1.6.0	3.8.1.0.0	3.9.0.6.0	3.10.0.0.0
¼	3.4.5.7.6	3.5.5.2.3	3.6.4.9.0	3.7.4.3.9	3.8.3.10.6	3.9.3.5.3	3.10.3.0.0
½	3.4.8.3.0	3.5.7.10.6	3.6.7.6.0	3.7.7.1.6	3.8.6.9.0	3.9.6.4.6	3.10.6.0.0
¾	3.4.10.10.6	3.5.10.6.9	3.6.10.3.0	3.7.9.11.3	3.8.9.7.6	3.9.9.3.9	3.10.9.0.0
3.11. 0	3.5.1.6.0	3.6.1.3.0	3.7.1.0.0	3.8.0.9.0	3.9.0.6.0	3.10.0.3.0	3.11.0.0.0
¼	3.5.4.1.6	3.6.3.11.3	3.7.3.9.0	3.8.3.6.9	3.9.3.4.6	3.10.3.2.3	3.11.3.0.0
½	3.5.6.9.0	3.6.6.7.6	3.7.6.6.0	3.8.6.4.6	3.9.6.3.0	3.10.6.1.6	3.11.6.0.0
¾	3.5.9.4.6	3.6.9.3.9	3.7.9.3.0	3.8.9.2.3	3.9.9.1.6	3.10.9.0.9	3.11.9.0.0
4.0. 0	3.6.0.0.0	3.7.0.0.0	3.8.0.0.0	3.9.0.0.0	3.10.0.0.0	3.11.0.0.0	4.0.0.0.0
¼	3.6.2.7.6	3.7.2.8.3	3.8.2.9.0	3.9.2.9.9	3.10.2.10.6	3.11.2.11.3	4.0.3.0.0
½	3.6.5.3.0	3.7.5.4.6	3.8.5.6.0	3.9.5.7.6	3.10.5.9.0	3.11.5.10.6	4.0.6.0.0
¾	3.6.7.10.6	3.7.8.0.9	3.8.8.3.0	3.9.8.5.3	3.10.8.7.6	3.11.8.9.9	4.0.9.0.0
4.1. 0	3.6.10.6.0	3.7.10.9.0	3.8.11.0.0	3.9.11.3.0	3.10.11.6.0	3.11.11.9.0	4.1.0.0.0
¼	3.7.1.1.6	3.8.1.5.3	3.9.1.9.0	3.10.2.0.9	3.11.2.4.6	4.0.2.8.3	4.1.3.0.0
½	3.7.3.9.0	3.8.4.1.6	3.9.4.6.0	3.10.4.10.6	3.11.5.3.0	4.0.5.7.6	4.1.6.0.0
¾	3.7.6.4.6	3.8.6.9.9	3.9.7.3.0	3.10.7.8.3	3.11.8.1.6	4.0.8.6.9	4.1.9.0.0
4.2. 0	3.7.9.0.0	3.8.9.6.0	3.9.10.0.0	3.10.10.6.0	3.11.11.0.0	4.0.11.6.0	4.2.0.0.0
¼	3.7.11.7.6	3.9.0.2.3	3.10.0.9.0	3.11.1.3.9	4.0.1.10.6	4.1.2.5.3	4.2.3.0.0
½	3.8.2.3.0	3.9.2.10.6	3.10.3.6.0	3.11.4.1.6	4.0.4.9.0	4.1.5.4.6	4.2.6.0.0
¾	3.8.4.10.6	3.9.5.6.9	3.10.6.3.0	3.11.6.11.3	4.0.7.7.6	4.1.8.3.9	4.2.9.0.0
4.3. 0	3.8.7.6.0	3.9.8.3.0	3.10.9.0.0	3.11.9.9.0	4.0.10.6.0	4.1.11.3.0	4.3.0.0.0
¼	3.8.10.1.6	3.9.10.11.3	3.10.11.9.0	4.0.0.6.9	4.1.1.4.6	4.2.2.2.3	4.3.3.0.0
½	3.9.0.9.0	3.10.1.7.6	3.11.2.6.0	4.0.3.4.6	4.1.4.3.0	4.2.5.1.6	4.3.6.0.0
¾	3.9.3.4.6	3.10.4.3.9	3.11.5.3.0	4.0.6.2.3	4.1.7.1.6	4.2.8.0.9	4.3.9.0.0
4.4. 0	3.9.6.0.0	3.10.7.0.0	3.11.8.0.0	4.0.9.0.0	4.1.10.0.0	4.2.11.0.0	4.4.0.0.0
¼	3.9.8.7.6	3.10.9.8.3	3.11.10.9.0	4.0.11.9.9	4.2.0.10.6	4.3.1.11.3	4.4.3.0.0
½	3.9.11.3.0	3.11.0.4.6	4.0.1.6.0	4.1.2.7.6	4.2.3.9.0	4.3.4.10.6	4.4.6.0.0
¾	3.10.1.10.6	3.11.3.0.9	4.0.4.3.0	4.1.5.5.3	4.2.6.7.6	4.3.7.9.9	4.4.9.0.0
4.5. 0	3.10.4.6.0	3.11.5.9.0	4.0.7.0.0	4.1.8.3.0	4.2.9.6.0	4.3.10.9.0	4.5.0.0.0
¼	3.10.7.1.6	3.11.8.5.3	4.0.9.9.0	4.1.11.0.9	4.3.0.4.6	4.4.1.8.3	4.5.3.0.0
½	3.10.9.9.0	3.11.11.1.6	4.1.0.6.0	4.2.1.10.6	4.3.3.3.0	4.4.4.7.6	4.5.6.0.0
¾	3.11.0.4.6	4.0.1.9.9	4.1.3.3.0	4.2.4.8.3	4.3.6.1.6	4.4.7.6.9	4.5.9.0.0
4.6. 0	3.11.3.0.0	4.0.4.6.0	4.1.6.0.0	4.2.7.6.0	4.3.9.0.0	4.4.10.6.0	4.6.0.0.0
¼	3.11.5.7.6	4.0.7.2.3	4.1.8.9.0	4.2.10.3.9	4.3.11.10.6	4.5.1.5.3	4.6.3.0.0
½	3.11.8.3.0	4.0.9.10.6	4.1.11.6.0	4.3.1.1.6	4.4.2.9.0	4.5.4.4.6	4.6.6.0.0
¾	3.11.10.10.6	4.1.0.6.9	4.2.2.3.0	4.3.3.11.3	4.4.5.7.6	4.5.7.3.9	4.6.9.0.0
4.7. 0	4.0.1.6.0	4.1.3.3.0	4.2.5.0.0	4.3.6.9.0	4.4.8.6.0	4.5.10.3.0	4.7.0.0.0
¼	4.0.4.1.6	4.1.5.11.3	4.2.7.9.0	4.3.9.6.9	4.4.11.4.6	4.6.1.2.3	4.7.3.0.0
½	4.0.6.9.0	4.1.8.7.6	4.2.10.6.0	4.4.0.4.6	4.5.2.3.0	4.6.4.1.6	4.7.6.0.0
¾	4.0.9.4.6	4.1.11.3.9	4.3.1.3.0	4.4.3.2.3	4.5.5.1.6	4.6.7.0.9	4.7.9.0.0
4.8. 0	4.1.0.0.0	4.2.2.0.0	4.3.4.0.0	4.4.6.0.0	4.5.8.0.0	4.6.10.0.0	4.8.0.0.0
¼	4.1.2.7.6	4.2.4.8.3	4.3.6.9.0	4.4.8.9.9	4.5.10.10.6	4.7.0.11.3	4.8.3.0.0
½	4.1.5.3.0	4.2.7.4.6	4.3.9.6.0	4.4.11.7.6	4.6.1.9.0	4.7.3.10.6	4.8.6.0.0
¾	4.1.7.10.6	4.2.10.0.9	4.4.0.3.0	4.5.2.5.3	4.6.4.7.6	4.7.6.9.9	4.8.9.0.0
4.9. 0	4.1.10.6.0	4.3.0.9.0	4.4.3.0.0	4.5.5.3.0	4.6.7.6.0	4.7.9.9.0	4.9.0.0.0
¼	4.2.1.1.6	4.3.3.5.3	4.4.5.9.0	4.5.8.0.9	4.6.10.4.6	4.8.0.8.3	4.9.3.0.0
½	4.2.3.9.0	4.3.6.1.6	4.4.8.6.0	4.5.10.10.6	4.7.1.3.0	4.8.3.7.6	4.9.6.0.0
¾	4.2.6.4.6	4.3.8.9.9	4.4.11.3.0	4.6.1.8.3	4.7.4.1.6	4.8.6.6.9	4.9.9.0.0
4.10. 0	4.2.9.0.0	4.3.11.6.0	4.5.2.0.0	4.6.4.6.0	4.7.7.0.0	4.8.9.6.0	4.10.0.0.0
¼	4.2.11.7.6	4.4.2.2.3	4.5.4.9.0	4.6.7.3.9	4.7.9.10.6	4.9.0.5.3	4.10.3.0.0
½	4.3.2.3.0	4.4.4.10.6	4.5.7.6.0	4.6.10.1.6	4.8.0.9.0	4.9.3.4.6	4.10.6.0.0
¾	4.3.4.10.6	4.4.7.6.9	4.5.10.3.0	4.7.0.11.3	4.8.3.7.6	4.9.6.3.9	4.10.9.0.0
4.11. 0	4.3.7.6.0	4.4.10.3.0	4.6.1.0.0	4.7.3.9.0	4.8.6.6.0	4.9.9.3.0	4.11.0.0.0
¼	4.3.10.1.6	4.5.0.11.3	4.6.3.9.0	4.7.6.6.9	4.8.9.4.6	4.10.0.2.3	4.11.3.0.0
½	4.4.0.9.0	4.5.3.7.6	4.6.6.6.0	4.7.9.4.6	4.9.0.3.0	4.10.3.1.6	4.11.6.0.0
¾	4.4.3.4.6	4.5.6.3.9	4.6.9.3.0	4.8.0.2.3	4.9.3.1.6	4.10.6.0.9	4.11.9.0.0
5.0. 0	4.4.6.0.0	4.5.9.0.0	4.7.0.0.0	4.8.3.0.0	4.9.6.0.0	4.10.9.0.0	5.0.0.0.0
¼	4.4.8.7.6	4.5.11.8.3	4.7.2.9.0	4.8.5.9.9	4.9.8.10.6	4.10.11.11.3	5.0.3.0.0
½	4.4.11.3.0	4.6.2.4.6	4.7.5.6.0	4.8.8.7.6	4.9.11.9.0	4.11.2.10.6	5.0.6.0.0
¾	4.5.1.10.6	4.6.5.0.9	4.7.8.3.0	4.8.11.5.3	4.10.2.7.6	4.11.5.9.9	5.0.9.0.0
5.1. 0	4.5.4.6.0	4.6.7.9.0	4.7.11.0.0	4.9.2.3.0	4.10.5.6.0	4.11.8.9.0	5.1.0.0.0
¼	4.5.7.1.6	4.6.10.5.3	4.8.1.9.0	4.9.5.0.9	4.10.8.4.6	4.11.11.8.3	5.1.3.0.0
½	4.5.9.9.0	4.7.1.1.6	4.8.4.6.0	4.9.7.10.6	4.10.11.3.0	5.0.2.7.6	5.1.6.0.0
¾	4.6.0.4.6	4.7.3.9.9	4.8.7.3.0	4.9.10.8.3	4.11.2.1.6	5.0.5.6.9	5.1.9.0.0
5.2. 0	4.6.3.0.0	4.7.6.6.0	4.8.10.0.0	4.10.1.6.0	4.11.5.0.0	5.0.8.6.0	5.2.0.0.0
¼	4.6.5.7.6	4.7.9.2.3	4.9.0.9.0	4.10.4.3.9	4.11.7.10.6	5.0.11.5.3	5.2.3.0.0
½	4.6.8.3.0	4.7.11.10.6	4.9.3.6.0	4.10.7.1.6	4.11.10.9.0	5.1.2.4.6	5.2.6.0.0
¾	4.6.10.10.6	4.8.2.6.9	4.9.6.3.0	4.10.9.11.3	5.0.1.7.6	5.1.5.3.9	5.2.9.0.0
5.3. 0	4.7.1.6.0	4.8.5.3.0	4.9.9.0.0	4.11.0.9.0	5.0.4.6.0	5.1.8.3.0	5.3.0.0.0
¼	4.7.4.1.6	4.8.7.11.3	4.9.11.9.0	4.11.3.6.9	5.0.7.4.6	5.1.11.2.3	5.3.3.0.0
½	4.7.6.9.0	4.8.10.7.6	4.10.2.6.0	4.11.6.4.6	5.0.10.3.0	5.2.2.1.6	5.3.6.0.0
¾	4.7.9.4.6	4.9.1.3.9	4.10.5.3.0	4.11.9.2.3	5.1.1.1.6	5.2.5.0.9	5.3.9.0.0
5.4. 0	4.8.0.0.0	4.9.4.0.0	4.10.8.0.0	5.0.0.0.0	5.1.4.0.0	5.2.8.0.0	5.4.0.0.0
¼	4.8.2.7.6	4.9.6.8.3	4.10.10.9.0	5.0.2.9.9	5.1.6.10.6	5.2.10.11.3	5.4.3.0.0
½	4.8.5.3.0	4.9.9.4.6	4.11.1.6.0	5.0.5.7.6	5.1.9.9.0	5.3.1.10.6	5.4.6.0.0
¾	4.8.7.10.6	4.10.0.0.9	4.11.4.3.0	5.0.8.5.3	5.2.0.7.6	5.3.4.9.9	5.4.9.0.0
5.5. 0	4.8.10.6.0	4.10.2.9.0	4.11.7.0.0	5.0.11.3.0	5.2.3.6.0	5.3.7.9.0	5.5.0.0.0
¼	4.9.1.1.6	4.10.5.5.3	4.11.9.9.0	5.1.2.0.9	5.2.6.4.6	5.3.10.8.3	5.5.3.0.0
½	4.9.3.9.0	4.10.8.1.6	5.0.0.6.0	5.1.4.10.6	5.2.9.3.0	5.4.1.7.6	5.5.6.0.0
¾	4.9.6.4.6	4.10.10.9.9	5.0.3.3.0	5.1.7.8.3	5.3.0.1.6	5.4.4.6.9	5.5.9.0.0
5.6. 0	4.9.9.0.0	4.11.1.6.0	5.0.6.0.0	5.1.10.6.0	5.3.3.0.0	5.4.7.6.0	5.6.0.0.0
¼	4.9.11.7.6	4.11.4.2.3	5.0.8.9.0	5.2.1.3.9	5.3.5.10.6	5.4.10.5.3	5.6.3.0.0
½	4.10.2.3.0	4.11.6.10.6	5.0.11.6.0	5.2.4.1.6	5.3.8.9.0	5.5.1.4.6	5.6.6.0.0
¾	4.10.4.10.6	4.11.9.6.9	5.1.2.3.0	5.2.6.11.3	5.3.11.7.6	5.5.4.3.9	5.6.9.0.0
5.7. 0	4.10.7.6.0	5.0.0.3.0	5.1.5.0.0	5.2.9.9.0	5.4.2.6.0	5.5.7.3.0	5.7.0.0.0
¼	4.10.10.1.6	5.0.2.11.3	5.1.7.9.0	5.3.0.6.9	5.4.5.4.6	5.5.10.2.3	5.7.3.0.0
½	4.11.0.9.0	5.0.5.7.6	5.1.10.6.0	5.3.3.4.6	5.4.8.3.0	5.6.1.1.6	5.7.6.0.0
¾	4.11.3.4.6	5.0.8.3.9	5.2.1.3.0	5.3.6.2.3	5.4.11.1.6	5.6.4.0.9	5.7.9.0.0
5.8. 0	4.11.6.0.0	5.0.11.0.0	5.2.4.0.0	5.3.9.0.0	5.5.2.0.0	5.6.7.0.0	5.8.0.0.0
¼	4.11.8.7.6	5.1.1.8.3	5.2.6.9.0	5.3.11.9.9	5.5.4.10.6	5.6.9.11.3	5.8.3.0.0
½	4.11.11.3.0	5.1.4.4.6	5.2.9.6.0	5.4.2.7.6	5.5.7.9.0	5.7.0.10.6	5.8.6.0.0
¾	5.0.1.10.6	5.1.7.0.9	5.3.0.3.0	5.4.5.5.3	5.5.10.7.6	5.7.3.9.9	5.8.9.0.0
5.9. 0	5.0.4.6.0	5.1.9.9.0	5.3.3.0.0	5.4.8.3.0	5.6.1.6.0	5.7.6.9.0	5.9.0.0.0
¼	5.0.7.1.6	5.2.0.5.3	5.3.5.9.0	5.4.11.0.9	5.6.4.4.6	5.7.9.8.3	5.9.3.0.0
½	5.0.9.9.0	5.2.3.1.6	5.3.8.6.0	5.5.1.10.6	5.6.7.3.0	5.8.0.7.6	5.9.6.0.0
¾	5.1.0.4.6	5.2.5.9.9	5.3.11.3.0	5.5.4.8.3	5.6.10.1.6	5.8.3.6.9	5.9.9.0.0
5.10. 0	5.1.3.0.0	5.2.8.6.0	5.4.2.0.0	5.5.7.6.0	5.7.1.0.0	5.8.6.6.0	5.10.0.0.0
¼	5.1.5.7.6	5.2.11.2.3	5.4.4.9.0	5.5.10.3.9	5.7.3.10.6	5.8.9.5.3	5.10.3.0.0
½	5.1.8.3.0	5.3.1.10.6	5.4.7.6.0	5.6.1.1.6	5.7.6.9.0	5.9.0.4.6	5.10.6.0.0
¾	5.1.10.10.6	5.3.4.6.9	5.4.10.3.0	5.6.3.11.3	5.7.9.7.6	5.9.3.3.9	5.10.9.0.0

A TABLE OF FEET AND INCHES.

from 5 foot 11 inches by 9 inches and 1 quarter to 8 foot 4 inches and 3 quarters by 1 foot

F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	0.9.¼	0.9.½	0.9.¾	0.10.0	0.10.¼	0.10.½	0.10.¾	0.11.0	0.11.¼	0.11.½	0.11.¾	1.0.0
5.11.0	4.6.8.9.0	4.8.2.6.0	4.9.8.3.0	4.11.2.0.0	5.0.7.9.0	5.2.1.6.0	5.3.7.3.0	5.5.1.0.0	5.6.6.9.0	5.8.0.6.0	5.9.6.3.0	5.11.0.0.0
¼	4.6.11.0.9	4.8.4.10.6	4.9.10.8.3	4.11.4.6.0	5.0.10.3.9	5.2.4.1.6	5.3.9.11.3	5.5.3.9.0	5.6.9.6.9	5.8.3.4.6	5.9.9.2.3	5.11.3.0.0
½	4.7.1.4.6	4.8.7.3.0	4.10.1.1.6	4.11.7.0.0	5.1.0.10.6	5.2.6.9.0	5.4.0.7.6	5.5.6.6.0	5.7.0.4.6	5.8.6.3.0	5.10.0.1.6	5.11.6.0.0
¾	4.7.3.8.3	4.8.9.7.6	4.10.3.6.9	4.11.9.6.0	5.1.3.5.3	5.2.9.4.6	5.4.3.3.9	5.5.9.3.0	5.7.3.2.3	5.8.9.1.6	5.10.3.0.9	5.11.9.0.0
6.0.0	4.7.6.0.0	4.9.0.0.0	4.10.6.0.0	5.0.0.0.0	5.1.6.0.0	5.3.0.0.0	5.4.6.0.0	5.6.0.0.0	5.7.6.0.0	5.9.0.0.0	5.10.6.0.0	6.0.0.0.0
¼	4.7.8.3.9	4.9.2.4.6	4.10.8.5.3	5.0.2.6.0	5.1.8.6.9	5.3.2.7.6	5.4.8.8.3	5.6.2.9.0	5.7.8.9.9	5.9.2.10.6	5.10.8.11.3	6.0.3.0.0
½	4.7.10.7.6	4.9.4.9.0	4.10.10.10.6	5.0.5.0.0	5.1.11.1.6	5.3.5.3.0	5.4.11.4.6	5.6.5.6.0	5.7.11.7.6	5.9.5.9.0	5.10.11.10.6	6.0.6.0.0
¾	4.8.0.11.3	4.9.7.1.6	4.11.1.3.9	5.0.7.6.0	5.2.1.8.3	5.3.7.10.6	5.5.2.0.9	5.6.8.3.0	5.8.2.5.3	5.9.8.7.6	5.11.2.9.9	6.0.9.0.0
6.1.0	4.8.3.3.0	4.9.9.6.0	4.11.3.9.0	5.0.10.0.0	5.2.4.3.0	5.3.10.6.0	5.5.4.9.0	5.6.11.0.0	5.8.5.3.0	5.9.11.6.0	5.11.5.9.0	6.1.0.0.0
¼	4.8.5.6.9	4.9.11.10.6	4.11.6.2.3	5.1.0.6.0	5.2.6.9.9	5.4.1.1.6	5.5.7.5.3	5.7.1.9.0	5.8.8.0.9	5.10.2.4.6	5.11.8.8.3	6.1.3.0.0
½	4.8.7.10.6	4.10.2.3.0	4.11.8.7.6	5.1.3.0.0	5.2.9.4.6	5.4.3.9.0	5.5.10.1.6	5.7.4.6.0	5.8.10.10.6	5.10.5.3.0	5.11.11.7.6	6.1.6.0.0
¾	4.8.10.2.3	4.10.4.7.6	4.11.11.0.9	5.1.5.6.0	5.2.11.11.3	5.4.6.4.6	5.6.0.9.9	5.7.7.3.0	5.9.1.8.3	5.10.8.1.6	6.0.2.6.9	6.1.9.0.0
6.2.0	4.9.0.6.0	4.10.7.0.0	5.0.1.6.0	5.1.8.0.0	5.3.2.6.0	5.4.9.0.0	5.6.3.6.0	5.7.10.0.0	5.9.4.6.0	5.10.11.0.0	6.0.5.6.0	6.2.0.0.0
¼	4.9.2.9.9	4.10.9.4.6	5.0.3.11.3	5.1.10.6.0	5.3.5.0.9	5.4.11.7.6	5.6.6.2.3	5.8.0.9.0	5.9.7.3.9	5.11.1.10.6	6.0.8.5.3	6.2.3.0.0
½	4.9.5.1.6	4.10.11.9.0	5.0.6.4.6	5.2.1.0.0	5.3.7.7.6	5.5.2.3.0	5.6.8.10.6	5.8.3.6.0	5.9.10.1.6	5.11.4.9.0	6.0.11.4.6	6.2.6.0.0
¾	4.9.7.5.3	4.11.2.1.6	5.0.8.9.9	5.2.3.6.0	5.3.10.2.3	5.5.4.10.6	5.6.11.6.9	5.8.6.3.0	5.10.0.11.3	5.11.7.7.6	6.1.2.3.9	6.2.9.0.0
6.3.0	4.9.9.9.0	4.11.4.6.0	5.0.11.3.0	5.2.6.0.0	5.4.0.9.0	5.5.7.6.0	5.7.2.3.0	5.8.9.0.0	5.10.3.9.0	5.11.10.6.0	6.1.5.3.0	6.3.0.0.0
¼	4.10.0.0.9	4.11.6.10.6	5.1.1.8.3	5.2.8.6.0	5.4.3.3.9	5.5.10.1.6	5.7.4.11.3	5.8.11.9.0	5.10.6.6.9	6.0.1.4.6	6.1.8.2.3	6.3.3.0.0
½	4.10.2.4.6	4.11.9.3.0	5.1.4.1.6	5.2.11.0.0	5.4.5.10.6	5.6.0.9.0	5.7.7.7.6	5.9.2.6.0	5.10.9.4.6	6.0.4.3.0	6.1.11.1.6	6.3.6.0.0
¾	4.10.4.8.3	4.11.11.7.6	5.1.6.6.9	5.3.1.6.0	5.4.8.5.3	5.6.3.4.6	5.7.10.3.9	5.9.5.3.0	5.11.0.2.3	6.0.7.1.6	6.2.2.0.9	6.3.9.0.0
6.4.0	4.10.7.0.0	5.0.2.0.0	5.1.9.0.0	5.3.4.0.0	5.4.11.0.0	5.6.6.0.0	5.8.1.0.0	5.9.8.0.0	5.11.3.0.0	6.0.10.0.0	6.2.5.0.0	6.4.0.0.0
¼	4.10.9.3.9	5.0.4.4.6	5.1.11.5.3	5.3.6.6.0	5.5.1.6.9	5.6.8.7.6	5.8.3.8.3	5.9.10.9.0	5.11.5.9.9	6.1.0.10.6	6.2.7.11.3	6.4.3.0.0
½	4.10.11.7.6	5.0.6.9.0	5.2.1.10.6	5.3.9.0.0	5.5.4.1.6	5.6.11.3.0	5.8.6.4.6	5.10.1.6.0	5.11.8.7.6	6.1.3.9.0	6.2.10.10.6	6.4.6.0.0
¾	4.11.1.11.3	5.0.9.1.6	5.2.4.3.9	5.3.11.6.0	5.5.6.8.3	5.7.1.10.6	5.8.9.0.9	5.10.4.3.0	5.11.11.5.3	6.1.6.7.6	6.3.1.9.9	6.4.9.0.0
6.5.0	4.11.4.3.0	5.0.11.6.0	5.2.6.9.0	5.4.2.0.0	5.5.9.3.0	5.7.4.6.0	5.8.11.9.0	5.10.7.0.0	6.0.2.3.0	6.1.9.6.0	6.3.4.9.0	6.5.0.0.0
¼	4.11.6.6.9	5.1.1.10.6	5.2.9.2.3	5.4.4.6.0	5.5.11.9.9	5.7.7.1.6	5.9.2.5.3	5.10.9.9.0	6.0.5.0.9	6.2.0.4.6	6.3.7.8.3	6.5.3.0.0
½	4.11.8.10.6	5.1.4.3.0	5.2.11.7.6	5.4.7.0.0	5.6.2.4.6	5.7.9.9.0	5.9.5.1.6	5.11.0.6.0	6.0.7.10.6	6.2.3.3.0	6.3.10.7.6	6.5.6.0.0
¾	4.11.11.2.3	5.1.6.7.6	5.3.2.0.9	5.4.9.6.0	5.6.4.11.3	5.8.0.4.6	5.9.7.9.9	5.11.3.3.0	6.0.10.8.3	6.2.6.1.6	6.4.1.6.9	6.5.9.0.0
6.6.0	5.0.1.6.0	5.1.9.0.0	5.3.4.6.0	5.5.0.0.0	5.6.7.6.0	5.8.3.0.0	5.9.10.6.0	5.11.6.0.0	6.1.1.6.0	6.2.9.0.0	6.4.4.6.0	6.6.0.0.0
¼	5.0.3.9.9	5.1.11.4.6	5.3.6.11.3	5.5.2.6.0	5.6.10.0.9	5.8.5.7.6	5.10.1.2.3	5.11.8.9.0	6.1.4.3.9	6.2.11.10.6	6.4.7.5.3	6.6.3.0.0
½	5.0.6.1.6	5.2.1.9.0	5.3.9.4.6	5.5.5.0.0	5.7.0.7.6	5.8.8.3.0	5.10.3.10.6	5.11.11.6.0	6.1.7.1.6	6.3.2.9.0	6.4.10.4.6	6.6.6.0.0
¾	5.0.8.5.3	5.2.4.1.6	5.3.11.9.9	5.5.7.6.0	5.7.3.2.3	5.8.10.10.6	5.10.6.6.9	6.0.2.3.0	6.1.9.11.3	6.3.5.7.6	6.5.1.3.9	6.6.9.0.0
6.7.0	5.0.10.9.0	5.2.6.6.0	5.4.2.3.0	5.5.10.0.0	5.7.5.9.0	5.9.1.6.0	5.10.9.3.0	6.0.5.0.0	6.2.0.9.0	6.3.8.6.0	6.5.4.3.0	6.7.0.0.0
¼	5.1.1.0.9	5.2.8.10.6	5.4.4.8.3	5.6.0.6.0	5.7.8.3.9	5.9.4.1.6	5.10.11.11.3	6.0.7.9.0	6.2.3.6.9	6.3.11.4.6	6.5.7.2.3	6.7.3.0.0
½	5.1.3.4.6	5.2.11.3.0	5.4.7.1.6	5.6.3.0.0	5.7.10.10.6	5.9.6.9.0	5.11.2.7.6	6.0.10.6.0	6.2.6.4.6	6.4.2.3.0	6.5.10.1.6	6.7.6.0.0
¾	5.1.5.8.3	5.3.1.7.6	5.4.9.6.9	5.6.5.6.0	5.8.1.5.3	5.9.9.4.6	5.11.5.3.9	6.1.1.3.0	6.2.9.2.3	6.4.5.1.6	6.6.1.0.9	6.7.9.0.0
6.8.0	5.1.8.0.0	5.3.4.0.0	5.5.0.0.0	5.6.8.0.0	5.8.4.0.0	5.10.0.0.0	5.11.8.0.0	6.1.4.0.0	6.3.0.0.0	6.4.8.0.0	6.6.4.0.0	6.8.0.0.0
¼	5.1.10.3.9	5.3.6.4.6	5.5.2.5.3	5.6.10.6.0	5.8.6.6.9	5.10.2.7.6	5.11.10.8.3	6.1.6.9.0	6.3.2.9.9	6.4.10.10.6	6.6.6.11.3	6.8.3.0.0
½	5.2.0.7.6	5.3.8.9.0	5.5.4.10.6	5.7.1.0.0	5.8.9.1.6	5.10.5.3.0	6.0.1.4.6	6.1.9.6.0	6.3.5.7.6	6.5.1.9.0	6.6.9.10.6	6.8.6.0.0
¾	5.2.2.11.3	5.3.11.1.6	5.5.7.3.9	5.7.3.6.0	5.8.11.8.3	5.10.7.10.6	6.0.4.0.9	6.2.0.3.0	6.3.8.5.3	6.5.4.7.6	6.7.0.9.9	6.8.9.0.0
6.9.0	5.2.5.3.0	5.4.1.6.0	5.5.9.9.0	5.7.6.0.0	5.9.2.3.0	5.10.10.6.0	6.0.6.9.0	6.2.3.0.0	6.3.11.3.0	6.5.7.6.0	6.7.3.9.0	6.9.0.0.0
¼	5.2.7.6.9	5.4.3.10.6	5.6.0.2.3	5.7.8.6.0	5.9.4.9.9	5.11.1.1.6	6.0.9.5.3	6.2.5.9.0	6.4.2.0.9	6.5.10.4.6	6.7.6.8.3	6.9.3.0.0
½	5.2.9.10.6	5.4.6.3.0	5.6.2.7.6	5.7.11.0.0	5.9.7.4.6	5.11.3.9.0	6.1.0.1.6	6.2.8.6.0	6.4.4.10.6	6.6.1.3.0	6.7.9.7.6	6.9.6.0.0
¾	5.3.0.2.3	5.4.8.7.6	5.6.5.0.9	5.8.1.6.0	5.9.9.11.3	5.11.6.4.6	6.1.2.9.9	6.2.11.3.0	6.4.7.8.3	6.6.4.1.6	6.8.0.6.9	6.9.9.0.0
6.10.0	5.3.2.6.0	5.4.11.0.0	5.6.7.6.0	5.8.4.0.0	5.10.0.6.0	5.11.9.0.0	6.1.5.6.0	6.3.2.0.0	6.4.10.6.0	6.6.7.0.0	6.8.3.6.0	6.10.0.0.0
¼	5.3.4.9.9	5.5.1.4.6	5.6.9.11.3	5.8.6.6.0	5.10.3.0.9	5.11.11.7.6	6.1.8.2.3	6.3.4.9.0	6.5.1.3.9	6.6.9.10.6	6.8.6.5.3	6.10.3.0.0
½	5.3.7.1.6	5.5.3.9.0	5.7.0.4.6	5.8.9.0.0	5.10.5.7.6	6.0.2.3.0	6.1.10.10.6	6.3.7.6.0	6.5.4.1.6	6.7.0.9.0	6.8.9.4.6	6.10.6.0.0
¾	5.3.9.5.3	5.5.6.1.6	5.7.2.9.9	5.8.11.6.0	5.10.8.2.3	6.0.4.10.6	6.2.1.6.9	6.3.10.3.0	6.5.6.11.3	6.7.3.7.6	6.9.0.3.9	6.10.9.0.0
6.11.0	5.3.11.9.0	5.5.8.6.0	5.7.5.3.0	5.9.2.0.0	5.10.10.9.0	6.0.7.6.0	6.2.4.3.0	6.4.1.0.0	6.5.9.9.0	6.7.6.6.0	6.9.3.3.0	6.11.0.0.0
¼	5.4.2.0.9	5.5.10.10.6	5.7.7.8.3	5.9.4.6.0	5.11.1.3.9	6.0.10.1.6	6.2.6.11.3	6.4.3.9.0	6.6.0.6.9	6.7.9.4.6	6.9.6.2.3	6.11.3.0.0
½	5.4.4.4.6	5.6.1.3.0	5.7.10.1.6	5.9.7.0.0	5.11.3.10.6	6.1.0.9.0	6.2.9.7.6	6.4.6.6.0	6.6.3.4.6	6.8.0.3.0	6.9.9.1.6	6.11.6.0.0
¾	5.4.6.8.3	5.6.3.7.6	5.8.0.6.9	5.9.9.6.0	5.11.6.5.3	6.1.3.4.6	6.3.0.3.9	6.4.9.3.0	6.6.6.2.3	6.8.3.1.6	6.10.0.0.9	6.11.9.0.0
7.0.0	5.4.9.0.0	5.6.6.0.0	5.8.3.0.0	5.10.0.0.0	5.11.9.0.0	6.1.6.0.0	6.3.3.0.0	6.5.0.0.0	6.6.9.0.0	6.8.6.0.0	6.10.3.0.0	7.0.0.0.0
¼	5.4.11.3.9	5.6.8.4.6	5.8.5.5.3	5.10.2.6.0	5.11.11.6.9	6.1.8.7.6	6.3.5.8.3	6.5.2.9.0	6.6.11.9.9	6.8.8.10.6	6.10.5.11.3	7.0.3.0.0
½	5.5.1.7.6	5.6.10.9.0	5.8.7.10.6	5.10.5.0.0	6.0.2.1.6	6.1.11.3.0	6.3.8.4.6	6.5.5.6.0	6.7.2.7.6	6.8.11.9.0	6.10.8.10.6	7.0.6.0.0
¾	5.5.3.11.3	5.7.1.1.6	5.8.10.3.9	5.10.7.6.0	6.0.4.8.3	6.2.1.10.6	6.3.11.0.9	6.5.8.3.0	6.7.5.5.3	6.9.2.7.6	6.10.11.9.9	7.0.9.0.0
7.1.0	5.5.6.3.0	5.7.3.6.0	5.9.0.9.0	5.10.10.0.0	6.0.7.3.0	6.2.4.6.0	6.4.1.9.0	6.5.11.0.0	6.7.8.3.0	6.9.5.6.0	6.11.2.9.0	7.1.0.0.0
¼	5.5.8.6.9	5.7.5.10.6	5.9.3.2.3	5.11.0.6.0	6.0.9.9.9	6.2.7.1.6	6.4.4.5.3	6.6.1.9.0	6.7.11.0.9	6.9.8.4.6	6.11.5.8.3	7.1.3.0.0
½	5.5.10.10.6	5.7.8.3.0	5.9.5.7.6	5.11.3.0.0	6.1.0.4.6	6.2.9.9.0	6.4.7.1.6	6.6.4.6.0	6.8.1.10.6	6.9.11.3.0	6.11.8.7.6	7.1.6.0.0
¾	5.6.1.2.3	5.7.10.7.6	5.9.8.0.9	5.11.5.6.0	6.1.2.11.3	6.3.0.4.6	6.4.9.9.9	6.6.7.3.0	6.8.4.8.3	6.10.2.1.6	6.11.11.6.9	7.1.9.0.0
7.2.0	5.6.3.6.0	5.8.1.0.0	5.9.10.6.0	5.11.8.0.0	6.1.5.6.0	6.3.3.0.0	6.5.0.6.0	6.6.10.0.0	6.8.7.6.0	6.10.5.0.0	7.0.2.6.0	7.2.0.0.0
¼	5.6.5.9.9	5.8.3.4.6	5.10.0.11.3	5.11.10.6.0	6.1.8.0.9	6.3.5.7.6	6.5.3.2.3	6.7.0.9.0	6.8.10.3.9	6.10.7.10.6	7.0.5.5.3	7.2.3.0.0
½	5.6.8.1.6	5.8.5.9.0	5.10.3.4.6	6.0.1.0.0	6.1.10.7.6	6.3.8.3.0	6.5.5.10.6	6.7.3.6.0	6.9.1.1.6	6.10.10.9.0	7.0.8.4.6	7.2.6.0.0
¾	5.6.10.5.3	5.8.8.1.6	5.10.5.9.9	6.0.3.6.0	6.2.1.2.3	6.3.10.10.6	6.5.8.6.9	6.7.6.3.0	6.9.3.11.3	6.11.1.7.6	7.0.11.3.9	7.2.9.0.0
7.3.0	5.7.0.9.0	5.8.10.6.0	5.10.8.3.0	6.0.6.0.0	6.2.3.9.0	6.4.1.6.0	6.5.11.3.0	6.7.9.0.0	6.9.6.9.0	6.11.4.6.0	7.1.2.3.0	7.3.0.0.0
¼	5.7.3.0.9	5.9.0.10.6	5.10.10.8.3	6.0.8.6.0	6.2.6.3.9	6.4.4.1.6	6.6.1.11.3	6.7.11.9.0	6.9.9.6.9	6.11.7.4.6	7.1.5.2.3	7.3.3.0.0
½	5.7.5.4.6	5.9.3.3.0	5.11.1.1.6	6.0.11.0.0	6.2.8.10.6	6.4.6.9.0	6.6.4.7.6	6.8.2.6.0	6.10.0.4.6	6.11.10.3.0	7.1.8.1.6	7.3.6.0.0
¾	5.7.7.8.3	5.9.5.7.6	5.11.3.6.9	6.1.1.6.0	6.2.11.5.3	6.4.9.4.6	6.6.7.3.9	6.8.5.3.0	6.10.3.2.3	7.0.1.1.6	7.1.11.0.9	7.3.9.0.0
7.4.0	5.7.10.0.0	5.9.8.0.0	5.11.6.0.0	6.1.4.0.0	6.3.2.0.0	6.5.0.0.0	6.6.10.0.0	6.8.8.0.0	6.10.6.0.0	7.0.4.0.0	7.2.2.0.0	7.4.0.0.0
¼	5.8.0.3.9	5.9.10.4.6	5.11.8.5.3	6.1.6.6.0	6.3.4.6.9	6.5.2.7.6	6.7.0.8.3	6.8.10.9.0	6.10.8.9.9	7.0.6.10.6	7.2.4.11.3	7.4.3.0.0
½	5.8.2.7.6	5.10.0.9.0	5.11.10.10.6	6.1.9.0.0	6.3.7.1.6	6.5.5.3.0	6.7.3.4.6	6.9.1.6.0	6.10.11.7.6	7.0.9.9.0	7.2.7.10.6	7.4.6.0.0
¾	5.8.4.11.3	5.10.3.1.6	6.0.1.3.9	6.1.11.6.0	6.3.9.8.3	6.5.7.10.6	6.7.6.0.9	6.9.4.3.0	6.11.2.5.3	7.1.0.7.6	7.2.10.9.9	7.4.9.0.0
7.5.0	5.8.7.3.0	5.10.5.6.0	6.0.3.9.0	6.2.2.0.0	6.4.0.3.0	6.5.10.6.0	6.7.8.9.0	6.9.7.0.0	6.11.5.3.0	7.1.3.6.0	7.3.1.9.0	7.5.0.0.0
¼	5.8.9.6.9	5.10.7.10.6	6.0.6.2.3	6.2.4.6.0	6.4.2.9.9	6.6.1.1.6	6.7.11.5.3	6.9.9.9.0	6.11.8.0.9	7.1.6.4.6	7.3.4.8.3	7.5.3.0.0
½	5.8.11.10.6	5.10.10.3.0	6.0.8.7.6	6.2.7.0.0	6.4.5.4.6	6.6.3.9.0	6.8.2.1.6	6.10.0.6.0	6.11.10.10.6	7.1.9.3.0	7.3.7.7.6	7.5.6.0.0
¾	5.9.2.2.3	5.11.0.7.6	6.0.11.0.9	6.2.9.6.0	6.4.7.11.3	6.6.6.4.6	6.8.4.9.9	6.10.3.3.0	7.0.1.8.3	7.2.0.1.6	7.3.10.6.9	7.5.9.0.0
7.6.0	5.9.4.6.0	5.11.3.0.0	6.1.1.6.0	6.3.0.0.0	6.4.10.6.0	6.6.9.0.0	6.8.7.6.0	6.10.6.0.0	7.0.4.6.0	7.2.3.0.0	7.4.1.6.0	7.6.0.0.0
¼	5.9.6.9.9	5.11.5.4.6	6.1.3.11.3	6.3.2.6.0	6.5.1.0.9	6.6.11.7.6	6.8.10.2.3	6.10.8.9.0	7.0.7.3.9	7.2.5.10.6	7.4.4.5.3	7.6.3.0.0
½	5.9.9.1.6	5.11.7.9.0	6.1.6.4.6	6.3.5.0.0	6.5.3.7.6	6.7.2.3.0	6.9.0.10.6	6.10.11.6.0	7.0.10.1.6	7.2.8.9.0	7.4.7.4.6	7.6.6.0.0
¾	5.9.11.5.3	5.11.10.1.6	6.1.8.9.9	6.3.7.6.0	6.5.6.2.3	6.7.4.10.6	6.9.3.6.9	6.11.2.3.0	7.1.0.11.3	7.2.11.7.6	7.4.10.3.9	7.6.9.0.0
7.7.0	5.10.1.9.0	6.0.0.6.0	6.1.11.3.0	6.3.10.0.0	6.5.8.9.0	6.7.7.6.0	6.9.6.3.0	6.11.5.0.0	7.1.3.9.0	7.3.2.6.0	7.5.1.3.0	7.7.0.0.0
¼	5.10.4.0.9	6.0.2.10.6	6.2.1.8.3	6.4.0.6.0	6.5.11.3.9	6.7.10.1.6	6.9.8.11.3	6.11.7.9.0	7.1.6.6.9	7.3.5.4.6	7.5.4.2.3	7.7.3.0.0
½	5.10.6.4.6	6.0.5.3.0	6.2.4.1.6	6.4.3.0.0	6.6.1.10.6	6.8.0.9.0	6.9.11.7.6	6.11.10.6.0	7.1.9.4.6	7.3.8.3.0	7.5.7.1.6	7.7.6.0.0
¾	5.10.8.8.3	6.0.7.7.6	6.2.6.6.9	6.4.5.6.0	6.6.4.5.3	6.8.3.4.6	6.10.2.3.9	7.0.1.3.0	7.2.0.2.3	7.3.11.1.6	7.5.10.0.9	7.7.9.0.0
7.8.0	5.10.11.0.0	6.0.10.0.0	6.2.9.0.0	6.4.8.0.0	6.6.7.0.0	6.8.6.0.0	6.10.5.0.0	7.0.4.0.0	7.2.3.0.0	7.4.2.0.0	7.6.1.0.0	7.8.0.0.0
¼	5.11.1.3.9	6.1.0.4.6	6.2.11.5.3	6.4.10.6.0	6.6.9.6.9	6.8.8.7.6	6.10.7.8.3	7.0.6.9.0	7.2.5.9.9	7.4.4.10.6	7.6.3.11.3	7.8.3.0.0
½	5.11.3.7.6	6.1.2.9.0	6.3.1.10.6	6.5.1.0.0	6.7.0.1.6	6.8.11.3.0	6.10.10.4.6	7.0.9.6.0	7.2.8.7.6	7.4.7.9.0	7.6.6.10.6	7.8.6.0.0
¾	5.11.5.11.3	6.1.5.1.6	6.3.4.3.9	6.5.3.6.0	6.7.2.8.3	6.9.1.10.6	6.11.1.0.9	7.1.0.3.0	7.2.11.5.3	7.4.10.7.6	7.6.9.9.9	7.8.9.0.0
7.9.0	5.11.8.3.0	6.1.7.6.0	6.3.6.9.0	6.5.6.0.0	6.7.5.3.0	6.9.4.6.0	6.11.3.9.0	7.1.3.0.0	7.3.2.3.0	7.5.1.6.0	7.7.0.9.0	7.9.0.0.0
¼	5.11.10.6.9	6.1.9.10.6	6.3.9.2.3	6.5.8.6.0	6.7.7.9.9	6.9.7.1.6	6.11.6.5.3	7.1.5.9.0	7.3.5.0.9	7.5.4.4.6	7.7.3.8.3	7.9.3.0.0
½	6.0.0.10.6	6.2.0.3.0	6.3.11.7.6	6.5.11.0.0	6.7.10.4.6	6.9.9.9.0	6.11.9.1.6	7.1.8.6.0	7.3.7.10.6	7.5.7.3.0	7.7.6.7.6	7.9.6.0.0
¾	6.0.3.2.3	6.2.2.7.6	6.4.2.0.9	6.6.1.6.0	6.8.0.11.3	6.10.0.4.6	6.11.11.9.9	7.1.11.3.0	7.3.10.8.3	7.5.10.1.6	7.7.9.6.9	7.9.9.0.0
7.10.0	6.0.5.6.0	6.2.5.0.0	6.4.4.6.0	6.6.4.0.0	6.8.3.6.0	6.10.3.0.0	7.0.2.6.0	7.2.2.0.0	7.4.1.6.0	7.6.1.0.0	7.8.0.6.0	7.10.0.0.0
¼	6.0.7.9.9	6.2.7.4.6	6.4.6.11.3	6.6.6.6.0	6.8.6.0.9	6.10.5.7.6	7.0.5.2.3	7.2.4.9.0	7.4.4.3.9	7.6.3.10.6	7.8.3.5.3	7.10.3.0.0
½	6.0.10.1.6	6.2.9.9.0	6.4.9.4.6	6.6.9.0.0	6.8.8.7.6	6.10.8.3.0	7.0.7.10.6	7.2.7.6.0	7.4.7.1.6	7.6.6.9.0	7.8.6.4.6	7.10.6.0.0
¾	6.1.0.5.3	6.3.0.1.6	6.4.11.9.9	6.6.11.6.0	6.8.11.2.3	6.10.10.10.6	7.0.10.6.9	7.2.10.3.0	7.4.9.11.3	7.6.9.7.6	7.8.9.3.9	7.10.9.0.0
7.11.0	6.1.2.9.0	6.3.2.6.0	6.5.2.3.0	6.7.2.0.0	6.9.1.9.0	6.11.1.6.0	7.1.1.3.0	7.3.1.0.0	7.5.0.9.0	7.7.0.6.0	7.9.0.3.0	7.11.0.0.0
¼	6.1.5.0.9	6.3.4.10.6	6.5.4.8.3	6.7.4.6.0	6.9.4.3.9	6.11.4.1.6	7.1.3.11.3	7.3.3.9.0	7.5.3.6.9	7.7.3.4.6	7.9.3.2.3	7.11.3.0.0
½	6.1.7.4.6	6.3.7.3.0	6.5.7.1.6	6.7.7.0.0	6.9.6.10.6	6.11.6.9.0	7.1.6.7.6	7.3.6.6.0	7.5.6.4.6	7.7.6.3.0	7.9.6.1.6	7.11.6.0.0
¾	6.1.9.8.3	6.3.9.7.6	6.5.9.6.9	6.7.9.6.0	6.9.9.5.3	6.11.9.4.6	7.1.9.3.9	7.3.9.3.0	7.5.9.2.3	7.7.9.1.6	7.9.9.0.9	7.11.9.0.0
8.0.0	6.2.0.0.0	6.4.0.0.0	6.6.0.0.0	6.8.0.0.0	6.10.0.0.0	7.0.0.0.0	7.2.0.0.0	7.4.0.0.0	7.6.0.0.0	7.8.0.0.0	7.10.0.0.0	8.0.0.0.0
¼	6.2.2.3.9	6.4.2.4.6	6.6.2.5.3	6.8.2.6.0	6.10.2.6.9	7.0.2.7.6	7.2.2.8.3	7.4.2.9.0	7.6.2.9.9	7.8.2.10.6	7.10.2.11.3	8.0.3.0.0
½	6.2.4.7.6	6.4.4.9.0	6.6.4.10.6	6.8.5.0.0	6.10.5.1.6	7.0.5.3.0	7.2.5.4.6	7.4.5.6.0	7.6.5.7.6	7.8.5.9.0	7.10.5.10.6	8.0.6.0.0
¾	6.2.6.11.3	6.4.7.1.6	6.6.7.3.9	6.8.7.6.0	6.10.7.8.3	7.0.7.10.6	7.2.8.0.9	7.4.8.3.0	7.6.8.5.3	7.8.8.7.6	7.10.8.9.9	8.0.9.0.0
8.1.0	6.2.9.3.0	6.4.9.6.0	6.6.9.9.0	6.8.10.0.0	6.10.10.3.0	7.0.10.6.0	7.2.10.9.0	7.4.11.0.0	7.6.11.3.0	7.8.11.6.0	7.10.11.9.0	8.1.0.0.0
¼	6.2.11.6.9	6.4.11.10.6	6.7.0.2.3	6.9.0.6.0	6.11.0.9.9	7.1.1.1.6	7.3.1.5.3	7.5.1.9.0	7.7.2.0.9	7.9.2.4.6	7.11.2.8.3	8.1.3.0.0
½	6.3.1.10.6	6.5.2.3.0	6.7.2.7.6	6.9.3.0.0	6.11.3.4.6	7.1.3.9.0	7.3.4.1.6	7.5.4.6.0	7.7.4.10.6	7.9.5.3.0	7.11.5.7.6	8.1.6.0.0
¾	6.3.4.2.3	6.5.4.7.6	6.7.5.0.9	6.9.5.6.0	6.11.5.11.3	7.1.6.4.6	7.3.6.9.9	7.5.7.3.0	7.7.7.8.3	7.9.8.1.6	7.11.8.6.9	8.1.9.0.0
8.2.0	6.3.6.6.0	6.5.7.0.0	6.7.7.6.0	6.9.8.0.0	6.11.8.6.0	7.1.9.0.0	7.3.9.6.0	7.5.10.0.0	7.7.10.6.0	7.9.11.0.0	7.11.11.6.0	8.2.0.0.0
¼	6.3.8.9.9	6.5.9.4.6	6.7.9.11.3	6.9.10.6.0	6.11.11.0.9	7.1.11.7.6	7.4.0.2.3	7.6.0.9.0	7.8.1.3.9	7.10.1.10.6	8.0.2.5.3	8.2.3.0.0
½	6.3.11.1.6	6.5.11.9.0	6.8.0.4.6	6.10.1.0.0	7.0.1.7.6	7.2.2.3.0	7.4.2.10.6	7.6.3.6.0	7.8.4.1.6	7.10.4.9.0	8.0.5.4.6	8.2.6.0.0
¾	6.4.1.5.3	6.6.2.1.6	6.8.2.9.9	6.10.3.6.0	7.0.4.2.3	7.2.4.10.6	7.4.5.6.9	7.6.6.3.0	7.8.6.11.3	7.10.7.7.6	8.0.8.3.9	8.2.9.0.0
8.3.0	6.4.3.9.0	6.6.4.6.0	6.8.5.3.0	6.10.6.0.0	7.0.6.9.0	7.2.7.6.0	7.4.8.3.0	7.6.9.0.0	7.8.9.9.0	7.10.10.6.0	8.0.11.3.0	8.3.0.0.0
¼	6.4.6.0.9	6.6.6.10.6	6.8.7.8.3	6.10.8.6.0	7.0.9.3.9	7.2.10.1.6	7.4.10.11.3	7.6.11.9.0	7.9.0.6.9	7.11.1.4.6	8.1.2.2.3	8.3.3.0.0
½	6.4.8.4.6	6.6.9.3.0	6.8.10.1.6	6.10.11.0.0	7.0.11.10.6	7.3.0.9.0	7.5.1.7.6	7.7.2.6.0	7.9.3.4.6	7.11.4.3.0	8.1.5.1.6	8.3.6.0.0
¾	6.4.10.8.3	6.6.11.7.6	6.9.0.6.9	6.11.1.6.0	7.1.2.5.3	7.3.3.4.6	7.5.4.3.9	7.7.5.3.0	7.9.6.2.3	7.11.7.1.6	8.1.8.0.9	8.3.9.0.0
8.4.0	6.5.1.0.0	6.7.2.0.0	6.9.3.0.0	6.11.4.0.0	7.1.5.0.0	7.3.6.0.0	7.5.7.0.0	7.7.8.0.0	7.9.9.0.0	7.11.10.0.0	8.1.11.0.0	8.4.0.0.0
¼	6.5.3.3.9	6.7.4.4.6	6.9.5.5.3	6.11.6.6.0	7.1.7.6.9	7.3.8.7.6	7.5.9.8.3	7.7.10.9.0	7.9.11.9.9	8.0.0.10.6	8.2.1.11.3	8.4.3.0.0
½	6.5.5.7.6	6.7.6.9.0	6.9.7.10.6	6.11.9.0.0	7.1.10.1.6	7.3.11.3.0	7.6.0.4.6	7.8.1.6.0	7.10.2.7.6	8.0.3.9.0	8.2.4.10.6	8.4.6.0.0
¾	6.5.7.11.3	6.7.9.1.6	6.9.10.3.9	6.11.11.6.0	7.2.0.8.3	7.4.1.10.6	7.6.3.0.9	7.8.4.3.0	7.10.5.5.3	8.0.6.7.6	8.2.7.9.9	8.4.9.0.0

A TABLE OF FEET AND INCHES

from 8 foot 5 inches by 9 inches and 1 quarter to 10 foot 10 inches and 3 quarters by 1 foot.

F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	0.9.1/4	0.9.1/2	0.9.3/4	0.10.0	0.10.1/4	0.10.1/2	0.10.3/4	0.11.0	0.11.1/4	0.11.1/2	0.11.3/4	1.0.0
8.5.0	6.5.10.3.0	6.7.11.6.0	6.10.0.0.0	7.0.2.0.0	7.2.3.3.0	7.4.4.6.0	7.6.5.9.0	7.8.7.0.0	7.10.8.3.0	8.0.9.6.0	8.2.10.9.0	8.5.0.0.0
1/4	6.6.0.6.9	6.8.1.10.6	6.10.3.2.3	7.0.4.6.0	7.2.5.9.9	7.4.7.1.6	7.6.8.5.3	7.8.9.9.0	7.10.11.0.9	8.1.0.4.6	8.3.1.8.3	8.5.3.0.0
1/2	6.6.2.10.6	6.8.4.3.0	6.10.5.7.0	7.0.7.0.0	7.2.8.4.6	7.4.9.9.0	7.6.11.1.6	7.9.0.6.0	7.11.1.10.6	8.1.3.3.0	8.3.4.7.6	8.5.6.0.0
3/4	6.6.5.2.3	6.8.6.7.6	6.10.8.0.9	7.0.9.6.0	7.2.10.11.3	7.5.0.4.6	7.7.1.9.9	7.9.3.3.0	7.11.4.8.3	8.1.6.1.6	8.3.7.6.9	8.5.9.0.0
8.6.0	6.6.7.6.0	6.8.9.0.0	6.10.10.6.0	7.1.0.0.0	7.3.1.6.0	7.5.3.0.0	7.7.4.6.0	7.9.6.0.0	7.11.7.6.0	8.1.9.0.0	8.3.10.6.0	8.6.0.0.0
1/4	6.6.9.9.9	6.8.11.4.6	6.11.0.11.3	7.1.2.6.0	7.3.4.0.9	7.5.5.7.6	7.7.7.2.3	7.9.8.9.0	7.11.10.3.9	8.1.11.10.6	8.4.1.5.3	8.6.3.0.0
1/2	6.7.0.1.6	6.9.1.9.0	6.11.3.4.6	7.1.5.0.0	7.3.6.7.6	7.5.8.3.0	7.7.9.10.6	7.9.11.6.0	8.0.1.1.6	8.2.2.9.0	8.4.4.4.6	8.6.6.0.0
3/4	6.7.2.5.3	6.9.4.1.6	6.11.5.9.9	7.1.7.6.0	7.3.9.2.3	7.5.10.10.6	7.8.0.6.9	7.10.2.3.0	8.0.3.11.3	8.2.5.7.6	8.4.7.3.9	8.6.9.0.0
8.7.0	6.7.4.9.0	6.9.6.6.0	6.11.8.3.0	7.1.10.0.0	7.3.11.9.0	7.6.1.6.0	7.8.3.3.0	7.10.5.0.0	8.0.6.9.0	8.2.8.6.0	8.4.10.3.0	8.7.0.0.0
1/4	6.7.7.0.9	6.9.8.10.6	6.11.10.8.3	7.2.0.6.0	7.4.2.3.9	7.6.4.1.6	7.8.5.11.3	7.10.7.9.0	8.0.9.6.9	8.2.11.4.6	8.5.1.2.3	8.7.3.0.0
1/2	6.7.9.4.6	6.9.11.3.0	7.0.1.1.6	7.2.3.0.0	7.4.4.10.6	7.6.6.9.0	7.8.8.7.6	7.10.10.6.0	8.1.0.4.6	8.3.2.3.0	8.5.4.1.6	8.7.6.0.0
3/4	6.7.11.8.3	6.10.1.7.6	7.0.3.6.9	7.2.5.6.0	7.4.7.5.3	7.6.9.4.6	7.8.11.3.9	7.11.1.3.0	8.1.3.2.3	8.3.5.1.6	8.5.7.0.9	8.7.9.0.0
8.8.0	6.8.2.0.0	6.10.4.0.0	7.0.6.0.0	7.2.8.0.0	7.4.10.0.0	7.7.0.0.0	7.9.2.0.0	7.11.4.0.0	8.1.6.0.0	8.3.8.0.0	8.5.10.0.0	8.8.0.0.0
1/4	6.8.4.3.9	6.10.6.4.6	7.0.8.5.3	7.2.10.6.0	7.5.0.6.9	7.7.2.7.6	7.9.4.8.3	7.11.6.9.0	8.1.8.9.9	8.3.10.10.6	8.6.0.11.3	8.8.3.0.0
1/2	6.8.6.7.6	6.10.8.9.0	7.0.10.10.6	7.3.1.0.0	7.5.3.1.6	7.7.5.3.0	7.9.7.4.6	7.11.9.6.0	8.1.11.7.6	8.4.1.9.0	8.6.3.10.6	8.8.6.0.0
3/4	6.8.8.11.3	6.10.11.1.6	7.1.1.3.9	7.3.3.6.0	7.5.5.8.3	7.7.7.10.6	7.9.10.0.9	8.0.0.3.0	8.2.2.5.3	8.4.4.7.6	8.6.6.9.9	8.8.9.0.0
8.9.0	6.8.11.3.0	6.11.1.6.0	7.1.3.9.0	7.3.6.0.0	7.5.8.3.0	7.7.10.6.0	7.10.0.9.0	8.0.3.0.0	8.2.5.3.0	8.4.7.6.0	8.6.9.9.0	8.9.0.0.0
1/4	6.9.1.6.9	6.11.3.10.6	7.1.6.2.3	7.3.8.6.0	7.5.10.9.9	7.8.1.1.6	7.10.3.5.3	8.0.5.9.0	8.2.8.0.9	8.4.10.4.6	8.7.0.8.3	8.9.3.0.0
1/2	6.9.3.10.6	6.11.6.3.0	7.1.8.7.6	7.3.11.0.0	7.6.1.4.6	7.8.3.9.0	7.10.6.1.6	8.0.8.6.0	8.2.10.10.6	8.5.1.3.0	8.7.3.7.6	8.9.6.0.0
3/4	6.9.6.2.3	6.11.8.7.6	7.1.11.0.9	7.4.1.6.0	7.6.3.11.3	7.8.6.4.6	7.10.8.9.9	8.0.11.3.0	8.3.1.8.3	8.5.4.1.6	8.7.6.6.9	8.9.9.0.0
8.10.0	6.9.8.6.0	6.11.11.0.0	7.2.1.6.0	7.4.4.0.0	7.6.6.6.0	7.8.9.0.0	7.10.11.6.0	8.1.2.0.0	8.3.4.6.0	8.5.7.0.0	8.7.9.6.0	8.10.0.0.0
1/4	6.9.10.9.9	7.0.1.4.6	7.2.3.11.3	7.4.6.6.0	7.6.9.0.9	7.8.11.7.6	7.11.2.2.3	8.1.4.9.0	8.3.7.3.9	8.5.9.10.6	8.8.0.5.3	8.10.3.0.0
1/2	6.10.1.1.6	7.0.3.9.0	7.2.6.4.6	7.4.9.0.0	7.6.11.7.6	7.9.2.3.0	7.11.4.10.6	8.1.7.6.0	8.3.10.1.6	8.6.0.9.0	8.8.3.4.6	8.10.6.0.0
3/4	6.10.3.5.3	7.0.6.1.6	7.2.8.9.9	7.4.11.6.0	7.7.2.2.3	7.9.4.10.6	7.11.7.6.9	8.1.10.3.0	8.4.0.11.3	8.6.3.7.6	8.8.6.3.9	8.10.9.0.0
8.11.0	6.10.5.9.0	7.0.8.6.0	7.2.11.3.0	7.5.2.0.0	7.7.4.9.0	7.9.7.6.0	7.11.10.3.0	8.2.1.0.0	8.4.3.9.0	8.6.6.6.0	8.8.9.3.0	8.11.0.0.0
1/4	6.10.8.0.9	7.0.10.10.6	7.3.1.8.3	7.5.4.6.0	7.7.7.3.9	7.9.10.1.6	8.0.0.11.3	8.2.3.9.0	8.4.6.6.9	8.6.9.4.6	8.9.0.2.3	8.11.3.0.0
1/2	6.10.10.4.6	7.1.1.3.0	7.3.4.1.6	7.5.7.0.0	7.7.9.10.6	7.10.0.9.0	8.0.3.7.6	8.2.6.6.0	8.4.9.4.6	8.7.0.3.0	8.9.3.1.6	8.11.6.0.0
3/4	6.11.0.8.3	7.1.3.7.6	7.3.6.6.9	7.5.9.6.0	7.8.0.5.3	7.10.3.4.6	8.0.6.3.9	8.2.9.3.0	8.5.0.2.3	8.7.3.1.6	8.9.6.0.9	8.11.9.0.0
9.0.0	6.11.3.0.0	7.1.6.0.0	7.3.9.0.0	7.6.0.0.0	7.8.3.0.0	7.10.6.0.0	8.0.9.0.0	8.3.0.0.0	8.5.3.0.0	8.7.6.0.0	8.9.9.0.0	9.0.0.0.0
1/4	6.11.5.3.9	7.1.8.4.6	7.3.11.5.3	7.6.2.6.0	7.8.5.6.9	7.10.8.7.6	8.0.11.8.3	8.3.2.9.0	8.5.5.9.9	8.7.8.10.6	8.9.11.11.3	9.0.3.0.0
1/2	6.11.7.7.6	7.1.10.9.0	7.4.1.10.6	7.6.5.0.0	7.8.8.1.6	7.10.11.3.0	8.1.2.4.6	8.3.5.6.0	8.5.8.7.6	8.7.11.9.0	8.10.2.10.6	9.0.6.0.0
3/4	6.11.9.11.3	7.2.1.1.6	7.4.4.3.9	7.6.7.6.0	7.8.10.8.3	7.11.1.10.6	8.1.5.0.9	8.3.8.3.0	8.5.11.5.3	8.8.2.7.6	8.10.5.9.9	9.0.9.0.0
9.1.0	7.0.0.3.0	7.2.3.6.0	7.4.6.9.0	7.6.10.0.0	7.9.1.3.0	7.11.4.6.0	8.1.7.9.0	8.3.11.0.0	8.6.2.3.0	8.8.5.6.0	8.10.8.9.0	9.1.0.0.0
1/4	7.0.2.6.9	7.2.5.10.6	7.4.9.2.3	7.7.0.6.0	7.9.3.9.9	7.11.7.1.6	8.1.10.5.3	8.4.1.9.0	8.6.5.0.9	8.8.8.4.6	8.10.11.8.3	9.1.3.0.0
1/2	7.0.4.10.6	7.2.8.3.0	7.4.11.7.6	7.7.3.0.0	7.9.6.4.6	7.11.9.9.0	8.2.1.1.6	8.4.4.6.0	8.6.7.10.6	8.8.11.3.0	8.11.2.7.6	9.1.6.0.0
3/4	7.0.7.2.3	7.2.10.7.6	7.5.2.0.9	7.7.5.6.0	7.9.8.11.3	8.0.0.4.6	8.2.3.9.9	8.4.7.3.0	8.6.10.8.3	8.9.2.1.6	8.11.5.6.9	9.1.9.0.0
9.2.0	7.0.9.6.0	7.3.1.0.0	7.5.4.6.0	7.7.8.0.0	7.9.11.6.0	8.0.3.0.0	8.2.6.6.0	8.4.10.0.0	8.7.1.6.0	8.9.5.0.0	8.11.8.6.0	9.2.0.0.0
1/4	7.0.11.9.9	7.3.3.4.6	7.5.6.11.3	7.7.10.6.0	7.10.2.0.9	8.0.5.7.6	8.2.9.2.3	8.5.0.9.0	8.7.4.3.9	8.9.7.10.6	8.11.11.5.3	9.2.3.0.0
1/2	7.1.2.1.6	7.3.5.9.0	7.5.9.4.6	7.8.1.0.0	7.10.4.7.6	8.0.8.3.0	8.2.11.10.6	8.5.3.6.0	8.7.7.1.6	8.9.10.9.0	9.0.2.4.6	9.2.6.0.0
3/4	7.1.4.5.3	7.3.8.1.6	7.5.11.9.9	7.8.3.6.0	7.10.7.2.3	8.0.10.10.6	8.3.2.6.9	8.5.6.3.0	8.7.9.11.3	8.10.1.7.6	9.0.5.3.9	9.2.9.0.0
9.3.0	7.1.6.9.0	7.3.10.6.0	7.6.2.3.0	7.8.6.0.0	7.10.9.9.0	8.1.1.6.0	8.3.5.3.0	8.5.9.0.0	8.8.0.9.0	8.10.4.6.0	9.0.8.3.0	9.3.0.0.0
1/4	7.1.9.0.9	7.4.0.10.6	7.6.4.8.3	7.8.8.6.0	7.11.0.3.9	8.1.4.1.6	8.3.7.11.3	8.5.11.9.0	8.8.3.6.9	8.10.7.4.6	9.0.11.2.3	9.3.3.0.0
1/2	7.1.11.4.6	7.4.3.3.0	7.6.7.1.6	7.8.11.0.0	7.11.2.10.6	8.1.6.9.0	8.3.10.7.6	8.6.2.6.0	8.8.6.4.6	8.10.10.3.0	9.1.2.1.6	9.3.6.0.0
3/4	7.2.1.8.3	7.4.5.7.6	7.6.9.6.9	7.9.1.6.0	7.11.5.5.3	8.1.9.4.6	8.4.1.3.9	8.6.5.3.0	8.8.9.2.3	8.11.1.1.6	9.1.5.0.9	9.3.9.0.0
9.4.0	7.2.4.0.0	7.4.8.0.0	7.7.0.0.0	7.9.4.0.0	7.11.8.0.0	8.2.0.0.0	8.4.4.0.0	8.6.8.0.0	8.9.0.0.0	8.11.4.0.0	9.1.8.0.0	9.4.0.0.0
1/4	7.2.6.3.9	7.4.10.4.6	7.7.2.5.3	7.9.6.6.0	7.11.10.6.9	8.2.2.7.6	8.4.6.8.3	8.6.10.9.0	8.9.2.9.9	8.11.6.10.6	9.1.10.11.3	9.4.3.0.0
1/2	7.2.8.7.6	7.5.0.9.0	7.7.4.10.6	7.9.9.0.0	8.0.1.1.6	8.2.5.3.0	8.4.9.4.6	8.7.1.6.0	8.9.5.7.6	8.11.9.9.0	9.2.1.10.6	9.4.6.0.0
3/4	7.2.10.11.3	7.5.3.1.6	7.7.7.3.9	7.9.11.6.0	8.0.3.8.3	8.2.7.10.6	8.5.0.0.9	8.7.4.3.0	8.9.8.5.3	9.0.0.7.6	9.2.4.9.9	9.4.9.0.0
9.5.0	7.3.1.3.0	7.5.5.6.0	7.7.9.9.0	7.10.2.0.0	8.0.6.3.0	8.2.10.6.0	8.5.2.9.0	8.7.7.0.0	8.9.11.3.0	9.0.3.6.0	9.2.7.9.0	9.5.0.0.0
1/4	7.3.3.6.9	7.5.7.10.6	7.8.0.2.3	7.10.4.6.0	8.0.8.9.9	8.3.1.1.6	8.5.5.5.3	8.7.9.9.0	8.10.2.0.9	9.0.6.4.6	9.2.10.8.3	9.5.3.0.0
1/2	7.3.5.10.6	7.5.10.3.0	7.8.2.7.6	7.10.7.0.0	8.0.11.4.6	8.3.3.9.0	8.5.8.1.6	8.8.0.6.0	8.10.4.10.6	9.0.9.3.0	9.3.1.7.6	9.5.6.0.0
3/4	7.3.8.2.3	7.6.0.7.6	7.8.5.0.9	7.10.9.6.0	8.1.1.11.3	8.3.6.4.6	8.5.10.9.9	8.8.3.3.0	8.10.7.8.3	9.1.0.1.6	9.3.4.6.9	9.5.9.0.0
9.6.0	7.3.10.6.0	7.6.3.0.0	7.8.7.6.0	7.11.0.0.0	8.1.4.6.0	8.3.9.0.0	8.6.1.6.0	8.8.6.0.0	8.10.10.6.0	9.1.3.0.0	9.3.7.6.0	9.6.0.0.0
1/4	7.4.0.9.9	7.6.5.4.6	7.8.9.11.3	7.11.2.6.0	8.1.7.0.9	8.3.11.7.6	8.6.4.2.3	8.8.8.9.0	8.11.1.3.9	9.1.5.10.6	9.3.10.5.3	9.6.3.0.0
1/2	7.4.3.1.6	7.6.7.9.0	7.9.0.4.6	7.11.5.0.0	8.1.9.7.6	8.4.2.3.0	8.6.6.10.6	8.8.11.6.0	8.11.4.1.6	9.1.8.9.0	9.4.1.4.6	9.6.6.0.0
3/4	7.4.5.5.3	7.6.10.1.6	7.9.2.9.9	7.11.7.6.0	8.2.0.2.3	8.4.4.10.6	8.6.9.6.9	8.9.2.3.0	8.11.6.11.3	9.1.11.7.6	9.4.4.3.9	9.6.9.0.0
9.7.0	7.4.7.9.0	7.7.0.6.0	7.9.5.3.0	7.11.10.0.0	8.2.2.9.0	8.4.7.6.0	8.7.0.3.0	8.9.5.0.0	8.11.9.9.0	9.2.2.6.0	9.4.7.3.0	9.7.0.0.0
1/4	7.4.10.0.9	7.7.2.10.6	7.9.7.8.3	8.0.0.6.0	8.2.5.3.9	8.4.10.1.6	8.7.2.11.3	8.9.7.9.0	9.0.0.6.9	9.2.5.4.6	9.4.10.2.3	9.7.3.0.0
1/2	7.5.0.4.6	7.7.5.3.0	7.9.10.1.6	8.0.3.0.0	8.2.7.10.6	8.5.0.9.0	8.7.5.7.6	8.9.10.6.0	9.0.3.4.6	9.2.8.3.0	9.5.1.1.6	9.7.6.0.0
3/4	7.5.2.8.3	7.7.7.7.6	7.10.0.6.9	8.0.5.6.0	8.2.10.5.3	8.5.3.4.6	8.7.8.3.9	8.10.1.3.0	9.0.6.2.3	9.2.11.1.6	9.5.4.0.9	9.7.9.0.0
9.8.0	7.5.5.0.0	7.7.10.0.0	7.10.3.0.0	8.0.8.0.0	8.3.1.0.0	8.5.6.0.0	8.7.11.0.0	8.10.4.0.0	9.0.9.0.0	9.3.2.0.0	9.5.7.0.0	9.8.0.0.0
1/4	7.5.7.3.9	7.8.0.4.6	7.10.5.5.3	8.0.10.6.0	8.3.3.6.9	8.5.8.7.6	8.8.1.8.3	8.10.6.9.0	9.0.11.9.9	9.3.4.10.6	9.5.9.11.3	9.8.3.0.0
1/2	7.5.9.7.6	7.8.2.9.0	7.10.7.10.6	8.1.1.0.0	8.3.6.1.6	8.5.11.3.0	8.8.4.4.6	8.10.9.6.0	9.1.2.7.6	9.3.7.9.0	9.6.0.10.6	9.8.6.0.0
3/4	7.5.11.11.3	7.8.5.1.6	7.10.10.3.9	8.1.3.6.0	8.3.8.8.3	8.6.1.10.6	8.8.7.0.9	8.11.0.3.0	9.1.5.5.3	9.3.10.7.6	9.6.3.9.9	9.8.9.0.0
9.9.0	7.6.2.3.0	7.8.7.6.0	7.11.0.9.0	8.1.6.0.0	8.3.11.3.0	8.6.4.6.0	8.8.9.9.0	8.11.3.0.0	9.1.8.3.0	9.4.1.6.0	9.6.6.9.0	9.9.0.0.0
1/4	7.6.4.6.9	7.8.9.10.6	7.11.3.2.3	8.1.8.6.0	8.4.1.9.9	8.6.7.1.6	8.9.0.5.3	8.11.5.9.0	9.1.11.0.9	9.4.4.4.6	9.6.9.8.3	9.9.3.0.0
1/2	7.6.6.10.6	7.9.0.3.0	7.11.5.7.6	8.1.11.0.0	8.4.4.4.6	8.6.9.9.0	8.9.3.1.6	8.11.8.6.0	9.2.1.10.6	9.4.7.3.0	9.7.0.7.6	9.9.6.0.0
3/4	7.6.9.2.3	7.9.2.7.6	7.11.8.0.9	8.2.1.6.0	8.4.6.11.3	8.7.0.4.6	8.9.5.9.9	8.11.11.3.0	9.2.4.8.3	9.4.10.1.6	9.7.3.6.9	9.9.9.0.0
9.10.0	7.6.11.6.0	7.9.5.0.0	7.11.10.6.0	8.2.4.0.0	8.4.9.6.0	8.7.3.0.0	8.9.8.6.0	9.0.2.0.0	9.2.7.6.0	9.5.1.0.0	9.7.6.6.0	9.10.0.0.0
1/4	7.7.1.9.9	7.9.7.4.6	8.0.0.11.3	8.2.6.6.0	8.5.0.0.9	8.7.5.7.6	8.9.11.2.3	9.0.4.9.0	9.2.10.3.9	9.5.3.10.6	9.7.9.5.3	9.10.3.0.0
1/2	7.7.4.1.6	7.9.9.9.0	8.0.3.4.6	8.2.9.0.0	8.5.2.7.6	8.7.8.3.0	8.10.1.10.6	9.0.7.6.0	9.3.1.1.6	9.5.6.9.0	9.8.0.4.6	9.10.6.0.0
3/4	7.7.6.5.3	7.10.0.1.6	8.0.5.9.9	8.2.11.6.0	8.5.5.2.3	8.7.10.10.6	8.10.4.6.9	9.0.10.3.0	9.3.3.11.3	9.5.9.7.6	9.8.3.3.9	9.10.9.0.0
9.11.0	7.7.8.9.0	7.10.2.6.0	8.0.8.3.0	8.3.2.0.0	8.5.7.9.0	8.8.1.6.0	8.10.7.3.0	9.1.1.0.0	9.3.6.9.0	9.6.0.6.0	9.8.6.3.0	9.11.0.0.0
1/4	7.7.11.0.9	7.10.4.10.6	8.0.10.8.3	8.3.4.6.0	8.5.10.3.9	8.8.4.1.6	8.10.9.11.3	9.1.3.9.0	9.3.9.6.9	9.6.3.4.6	9.8.9.2.3	9.11.3.0.0
1/2	7.8.1.4.6	7.10.7.3.0	8.1.1.1.6	8.3.7.0.0	8.6.0.10.6	8.8.6.9.0	8.11.0.7.6	9.1.6.6.0	9.4.0.4.6	9.6.6.3.0	9.9.0.1.6	9.11.6.0.0
3/4	7.8.3.8.3	7.10.9.7.6	8.1.3.6.9	8.3.9.6.0	8.6.3.5.3	8.8.9.4.6	8.11.3.3.9	9.1.9.3.0	9.4.3.2.3	9.6.9.1.6	9.9.3.0.9	9.11.9.0.0
10.0.0	7.8.6.0.0	7.11.0.0.0	8.1.6.0.0	8.4.0.0.0	8.6.6.0.0	8.9.0.0.0	8.11.6.0.0	9.2.0.0.0	9.4.6.0.0	9.7.0.0.0	9.9.6.0.0	10.0.0.0.0
1/4	7.8.8.3.9	7.11.2.4.6	8.1.8.5.3	8.4.2.6.0	8.6.8.6.9	8.9.2.7.6	8.11.8.8.3	9.2.2.9.0	9.4.8.9.9	9.7.2.10.6	9.9.8.11.3	10.0.3.0.0
1/2	7.8.10.7.6	7.11.4.9.0	8.1.10.10.6	8.4.5.0.0	8.6.11.1.6	8.9.5.3.0	8.11.11.4.6	9.2.5.6.0	9.4.11.7.6	9.7.5.9.0	9.9.11.10.6	10.0.6.0.0
3/4	7.9.0.11.3	7.11.7.1.6	8.2.1.3.9	8.4.7.6.0	8.7.1.8.3	8.9.7.10.6	9.0.2.0.9	9.2.8.3.0	9.5.2.5.3	9.7.8.7.6	9.10.2.9.9	10.0.9.0.0
10.1.0	7.9.3.3.0	7.11.9.6.0	8.2.3.9.0	8.4.10.0.0	8.7.4.3.0	8.9.10.6.0	9.0.4.9.0	9.2.11.0.0	9.5.5.3.0	9.7.11.6.0	9.10.5.9.0	10.1.0.0.0
1/4	7.9.5.6.9	7.11.11.10.6	8.2.6.2.3	8.5.0.6.0	8.7.6.9.9	8.10.1.1.6	9.0.7.5.3	9.3.1.9.0	9.5.8.0.9	9.8.2.4.6	9.10.8.8.3	10.1.3.0.0
1/2	7.9.7.10.6	8.0.2.3.0	8.2.8.7.6	8.5.3.0.0	8.7.9.4.6	8.10.3.9.0	9.0.10.1.6	9.3.4.6.0	9.5.10.10.6	9.8.5.3.0	9.10.11.7.6	10.1.6.0.0
3/4	7.9.10.2.3	8.0.4.7.6	8.2.11.0.9	8.5.5.6.0	8.7.11.11.3	8.10.6.4.6	9.1.0.9.9	9.3.7.3.0	9.6.1.8.3	9.8.8.1.6	9.11.2.6.9	10.1.9.0.0
10.2.0	7.10.0.6.0	8.0.7.0.0	8.3.1.6.0	8.5.8.0.0	8.8.2.6.0	8.10.9.0.0	9.1.3.6.0	9.3.10.0.0	9.6.4.6.0	9.8.11.0.0	9.11.5.6.0	10.2.0.0.0
1/4	7.10.2.9.9	8.0.9.4.6	8.3.3.11.3	8.5.10.6.0	8.8.5.0.9	8.10.11.7.6	9.1.6.2.3	9.4.0.9.0	9.6.7.3.9	9.9.1.10.6	9.11.8.5.3	10.2.3.0.0
1/2	7.10.5.1.6	8.0.11.9.0	8.3.6.4.6	8.6.1.0.0	8.8.7.7.6	8.11.2.3.0	9.1.8.10.6	9.4.3.6.0	9.6.10.1.6	9.9.4.9.0	9.11.11.4.6	10.2.6.0.0
3/4	7.10.7.5.3	8.1.2.1.6	8.3.8.9.9	8.6.3.6.0	8.8.10.2.3	8.11.4.10.6	9.1.11.6.9	9.4.6.3.0	9.7.0.11.3	9.9.7.7.6	10.0.2.3.9	10.2.9.0.0
10.3.0	7.10.9.9.0	8.1.4.6.0	8.3.11.3.0	8.6.6.0.0	8.9.0.9.0	8.11.7.6.0	9.2.2.3.0	9.4.9.0.0	9.7.3.9.0	9.9.10.6.0	10.0.5.3.0	10.3.0.0.0
1/4	7.11.0.0.9	8.1.6.10.6	8.4.1.8.3	8.6.8.6.0	8.9.3.3.9	8.11.10.1.6	9.2.4.11.3	9.4.11.9.0	9.7.6.6.9	9.10.1.4.6	10.0.8.2.3	10.3.3.0.0
1/2	7.11.2.4.6	8.1.9.3.0	8.4.4.1.6	8.6.11.0.0	8.9.5.10.6	9.0.0.9.0	9.2.7.7.6	9.5.2.6.0	9.7.9.4.6	9.10.4.3.0	10.0.11.1.6	10.3.6.0.0
3/4	7.11.4.8.3	8.1.11.7.6	8.4.6.6.9	8.7.1.6.0	8.9.8.5.3	9.0.3.4.6	9.2.10.3.9	9.5.5.3.0	9.8.0.2.3	9.10.7.1.6	10.1.2.0.9	10.3.9.0.0
10.4.0	7.11.7.0.0	8.2.2.0.0	8.4.9.0.0	8.7.4.0.0	8.9.11.0.0	9.0.6.0.0	9.3.1.0.0	9.5.8.0.0	9.8.3.0.0	9.10.10.0.0	10.1.5.0.0	10.4.0.0.0
1/4	7.11.9.3.9	8.2.4.4.6	8.4.11.5.3	8.7.6.6.0	8.10.1.6.9	9.0.8.7.6	9.3.3.8.3	9.5.10.9.0	9.8.5.9.9	9.11.0.10.6	10.1.7.11.3	10.4.3.0.0
1/2	7.11.11.7.6	8.2.6.9.0	8.5.1.10.6	8.7.9.0.0	8.10.4.1.6	9.0.11.3.0	9.3.6.4.6	9.6.1.6.0	9.8.8.7.6	9.11.3.9.0	10.1.10.10.6	10.4.6.0.0
3/4	8.0.1.11.3	8.2.9.1.6	8.5.4.3.9	8.7.11.6.0	8.10.6.8.3	9.1.1.10.6	9.3.9.0.9	9.6.4.3.0	9.8.11.5.3	9.11.6.7.6	10.2.1.9.9	10.4.9.0.0
10.5.0	8.0.4.3.0	8.2.11.6.0	8.5.6.9.0	8.8.2.0.0	8.10.9.3.0	9.1.4.6.0	9.3.11.9.0	9.6.7.0.0	9.9.2.3.0	9.11.9.6.0	10.2.4.9.0	10.5.0.0.0
1/4	8.0.6.6.9	8.3.1.10.6	8.5.9.2.3	8.8.4.6.0	8.10.11.9.9	9.1.7.1.6	9.4.2.5.3	9.6.9.9.0	9.9.5.0.9	10.0.0.4.6	10.2.7.8.3	10.5.3.0.0
1/2	8.0.8.10.6	8.3.4.3.0	8.5.11.7.6	8.8.7.0.0	8.11.2.4.6	9.1.9.9.0	9.4.5.1.6	9.7.0.6.0	9.9.7.10.6	10.0.3.3.0	10.2.10.7.6	10.5.6.0.0
3/4	8.0.11.2.3	8.3.6.7.6	8.6.2.0.9	8.8.9.6.0	8.11.4.11.3	9.2.0.4.6	9.4.7.9.9	9.7.3.3.0	9.9.10.8.3	10.0.6.1.6	10.3.1.6.9	10.5.9.0.0
10.6.0	8.1.1.6.0	8.3.9.0.0	8.6.4.6.0	8.9.0.0.0	8.11.7.6.0	9.2.3.0.0	9.4.10.6.0	9.7.6.0.0	9.10.1.6.0	10.0.9.0.0	10.3.4.6.0	10.6.0.0.0
1/4	8.1.3.9.9	8.3.11.4.6	8.6.6.11.3	8.9.2.6.0	8.11.10.0.9	9.2.5.7.6	9.5.1.2.3	9.7.8.9.0	9.10.4.3.9	10.0.11.10.6	10.3.7.5.3	10.6.3.0.0
1/2	8.1.6.1.6	8.4.1.9.0	8.6.9.4.6	8.9.5.0.0	9.0.0.7.6	9.2.8.3.0	9.5.3.10.6	9.7.11.6.0	9.10.7.1.6	10.1.2.9.0	10.3.10.4.6	10.6.6.0.0
3/4	8.1.8.5.3	8.4.4.1.6	8.6.11.9.9	8.9.7.6.0	9.0.3.2.3	9.2.10.10.6	9.5.6.6.9	9.8.2.3.0	9.10.9.11.3	10.1.5.7.6	10.4.1.3.9	10.6.9.0.0
10.7.0	8.1.10.9.0	8.4.6.6.0	8.7.2.3.0	8.9.10.0.0	9.0.5.9.0	9.3.1.6.0	9.5.9.3.0	9.8.5.0.0	9.11.0.9.0	10.1.8.6.0	10.4.4.3.0	10.7.0.0.0
1/4	8.2.1.0.9	8.4.8.10.6	8.7.4.8.3	8.10.0.6.0	9.0.8.3.9	9.3.4.1.6	9.5.11.11.3	9.8.7.9.0	9.11.3.6.9	10.1.11.4.6	10.4.7.2.3	10.7.3.0.0
1/2	8.2.3.4.6	8.4.11.3.0	8.7.7.1.6	8.10.3.0.0	9.0.10.10.6	9.3.6.9.0	9.6.2.7.6	9.8.10.6.0	9.11.6.4.6	10.2.2.3.0	10.4.10.1.6	10.7.6.0.0
3/4	8.2.5.8.3	8.5.1.7.6	8.7.9.6.9	8.10.5.6.0	9.1.1.5.3	9.3.9.4.6	9.6.5.3.9	9.9.1.3.0	9.11.9.2.3	10.2.5.1.6	10.5.1.0.9	10.7.9.0.0
10.8.0	8.2.8.0.0	8.5.4.0.0	8.8.0.0.0	8.10.8.0.0	9.1.4.0.0	9.4.0.0.0	9.6.8.0.0	9.9.4.0.0	10.0.0.0.0	10.2.8.0.0	10.5.4.0.0	10.8.0.0.0
1/4	8.2.10.3.9	8.5.6.4.6	8.8.2.5.3	8.10.10.6.0	9.1.6.6.9	9.4.2.7.6	9.6.10.8.3	9.9.6.9.0	10.0.2.9.9	10.2.10.10.6	10.5.6.11.3	10.8.3.0.0
1/2	8.3.0.7.6	8.5.8.9.0	8.8.4.10.6	8.11.1.0.0	9.1.9.1.6	9.4.5.3.0	9.7.1.4.6	9.9.9.6.0	10.0.5.7.6	10.3.1.9.0	10.5.9.10.6	10.8.6.0.0
3/4	8.3.2.11.3	8.5.11.1.6	8.8.7.3.9	8.11.3.6.0	9.1.11.8.3	9.4.7.10.6	9.7.4.0.9	9.10.0.3.0	10.0.8.5.3	10.3.4.7.6	10.6.0.9.9	10.8.9.0.0
10.9.0	8.3.5.3.0	8.6.1.6.0	8.8.9.9.0	8.11.6.0.0	9.2.2.3.0	9.4.10.6.0	9.7.6.9.0	9.10.3.0.0	10.0.11.3.0	10.3.7.6.0	10.6.3.9.0	10.9.0.0.0
1/4	8.3.7.6.9	8.6.3.10.6	8.9.0.2.3	8.11.8.6.0	9.2.4.9.9	9.5.1.1.6	9.7.9.5.3	9.10.5.9.0	10.1.2.0.9	10.3.10.4.6	10.6.6.8.3	10.9.3.0.0
1/2	8.3.9.10.6	8.6.6.3.0	8.9.2.7.6	8.11.11.0.0	9.2.7.4.6	9.5.3.9.0	9.8.0.1.6	9.10.8.6.0	10.1.4.10.6	10.4.1.3.0	10.6.9.7.6	10.9.6.0.0
3/4	8.4.0.2.3	8.6.8.7.6	8.9.5.0.9	9.0.1.6.0	9.2.9.11.3	9.5.6.4.6	9.8.2.9.9	9.10.11.3.0	10.1.7.8.3	10.4.4.1.6	10.7.0.6.9	10.9.9.0.0
10.10.0	8.4.2.6.0	8.6.11.0.0	8.9.7.6.0	9.0.4.0.0	9.3.0.6.0	9.5.9.0.0	9.8.5.6.0	9.11.2.0.0	10.1.10.6.0	10.4.7.0.0	10.7.3.6.0	10.10.0.0.0
1/4	8.4.4.9.9	8.7.1.4.6	8.9.9.11.3	9.0.6.6.0	9.3.3.0.9	9.5.11.7.6	9.8.8.2.3	9.11.4.9.0	10.2.1.3.9	10.4.9.10.6	10.7.6.5.3	10.10.3.0.0
1/2	8.4.7.1.6	8.7.3.9.0	8.10.0.4.6	9.0.9.0.0	9.3.5.7.6	9.6.2.3.0	9.8.10.10.6	9.11.7.6.0	10.2.4.1.6	10.5.0.9.0	10.7.9.4.6	10.10.6.0.0
3/4	8.4.9.5.3	8.7.6.1.6	8.10.2.9.9	9.0.11.0.0	9.3.8.2.3	9.6.4.10.6	9.9.1.6.9	9.11.10.3.0	10.2.6.11.3	10.5.3.7.6	10.8.0.3.9	10.10.9.0.0

A TABLE OF FEET AND INCHES

from 10 foot 11 inches by 9 inches and 1 quarter to 12 foot 5 inches and 3 quarters by 1 foot.

F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	0.9¼	0.9½	0.9¾	0.10.0	0.10¼	0.10½	0.10¾	0.11.0	0.11¼	0.11½	0.11¾	1.0.0
10.11.0	8.4.11.9.0	8.7.8.6.0	8.10.5.3.0	9.1.2.0.0	9.3.10.9.0	9.6.7.6.0	9.9.4.3.0	10.0.1.0.0	10.2.9.9.0	10.5.6.6.0	10.8.3.3.0	10.11.0.0.0
¼	8.5.2.0.9	8.7.10.10.6	8.10.7.8.3	9.1.4.6.0	9.4.1.3.9	9.6.10.1.6	9.9.6.11.3	10.0.3.9.0	10.3.0.6.9	10.5.9.4.6	10.8.6.2.3	10.11.3.0.0
½	8.5.4.4.6	8.8.1.3.0	8.10.10.1.6	9.1.7.0.0	9.4.3.10.6	9.7.0.9.0	9.9.9.7.6	10.0.6.6.0	10.3.3.4.6	10.6.0.3.0	10.8.9.1.6	10.11.6.0.0
¾	8.5.6.8.3	8.8.3.7.6	8.11.0.6.9	9.1.9.6.0	9.4.6.5.3	9.7.3.4.6	9.10.0.3.9	10.0.9.3.0	10.3.6.2.3	10.6.3.1.6	10.9.0.0.9	10.11.9.0.0
11.0.0	8.5.9.0.0	8.8.6.0.0	8.11.3.0.0	9.2.0.0.0	9.4.9.0.0	9.7.6.0.0	9.10.3.0.0	10.1.0.0.0	10.3.9.0.0	10.6.6.0.0	10.9.3.0.0	11.0.0.0.0
¼	8.5.11.3.9	8.8.8.4.6	8.11.5.5.3	9.2.2.6.0	9.4.11.6.9	9.7.8.7.6	9.10.5.8.3	10.1.2.9.0	10.3.11.9.9	10.6.8.10.6	10.9.5.11.3	11.0.3.0.0
½	8.6.1.7.6	8.8.10.9.0	8.11.7.10.6	9.2.5.0.0	9.5.2.1.6	9.7.11.3.0	9.10.8.4.6	10.1.5.6.0	10.4.2.7.6	10.6.11.9.0	10.9.8.10.6	11.0.6.0.0
¾	8.6.3.11.3	8.9.1.1.6	8.11.10.3.9	9.2.7.6.0	9.5.4.8.3	9.8.1.10.6	9.10.11.0.9	10.1.8.3.0	10.4.5.5.3	10.7.2.7.6	10.9.11.9.9	11.0.9.0.0
11.1.0	8.6.6.3.0	8.9.3.6.0	9.0.0.9.0	9.2.10.0.0	9.5.7.3.0	9.8.4.6.0	9.11.1.9.0	10.1.11.0.0	10.4.8.3.0	10.7.5.6.0	10.10.2.9.0	11.1.0.0.0
¼	8.6.8.6.9	8.9.5.10.6	9.0.3.2.3	9.3.0.6.0	9.5.9.9.9	9.8.7.1.6	9.11.4.5.3	10.2.1.9.0	10.4.11.0.9	10.7.8.4.6	10.10.5.8.3	11.1.3.0.0
½	8.6.10.10.6	8.9.8.3.0	9.0.5.7.6	9.3.3.0.0	9.6.0.4.6	9.8.9.9.0	9.11.7.1.6	10.2.4.6.0	10.5.1.10.6	10.7.11.3.0	10.10.8.7.6	11.1.6.0.0
¾	8.7.1.2.3	8.9.10.7.6	9.0.8.0.9	9.3.5.6.0	9.6.2.11.3	9.9.0.4.6	9.11.9.9.9	10.2.7.3.0	10.5.4.8.3	10.8.2.1.6	10.10.11.6.9	11.1.9.0.0
11.2.0	8.7.3.6.0	8.10.1.0.0	9.0.10.6.0	9.3.8.0.0	9.6.5.6.0	9.9.3.0.0	10.0.0.6.0	10.2.10.0.0	10.5.7.6.0	10.8.5.0.0	10.11.2.6.0	11.2.0.0.0
¼	8.7.5.9.9	8.10.3.4.6	9.1.0.11.3	9.3.10.6.0	9.6.8.0.9	9.9.5.7.6	10.0.3.2.3	10.3.0.9.0	10.5.10.3.9	10.8.7.10.6	10.11.5.5.3	11.2.3.0.0
½	8.7.8.1.6	8.10.5.9.0	9.1.3.4.6	9.4.1.0.0	9.6.10.7.6	9.9.8.3.0	10.0.5.10.6	10.3.3.6.0	10.6.1.1.6	10.8.10.9.0	10.11.8.4.6	11.2.6.0.0
¾	8.7.10.5.3	8.10.8.1.6	9.1.5.9.9	9.4.3.6.0	9.7.1.2.3	9.9.10.10.6	10.0.8.6.9	10.3.6.3.0	10.6.3.11.3	10.9.1.7.6	10.11.11.3.9	11.2.9.0.0
11.3.0	8.8.0.9.0	8.10.10.6.0	9.1.8.3.0	9.4.6.0.0	9.7.3.9.0	9.10.1.6.0	10.0.11.3.0	10.3.9.0.0	10.6.6.9.0	10.9.4.6.0	11.0.2.3.0	11.3.0.0.0
¼	8.8.3.0.9	8.11.0.10.6	9.1.10.8.3	9.4.8.6.0	9.7.6.3.9	9.10.4.1.6	10.1.1.11.3	10.3.11.9.0	10.6.9.6.9	10.9.7.4.6	11.0.5.2.3	11.3.3.0.0
½	8.8.5.4.6	8.11.3.3.0	9.2.1.1.6	9.4.11.0.0	9.7.8.10.6	9.10.6.9.0	10.1.4.7.6	10.4.2.6.0	10.7.0.4.6	10.9.10.3.0	11.0.8.1.6	11.3.6.0.0
¾	8.8.7.8.3	8.11.5.7.6	9.2.3.6.9	9.5.1.6.0	9.7.11.5.3	9.10.9.4.6	10.1.7.3.9	10.4.5.3.0	10.7.3.2.3	10.10.1.1.6	11.0.11.0.9	11.3.9.0.0
11.4.0	8.8.10.0.0	8.11.8.0.0	9.2.6.0.0	9.5.4.0.0	9.8.2.0.0	9.11.0.0.0	10.1.10.0.0	10.4.8.0.0	10.7.6.0.0	10.10.4.0.0	11.1.2.0.0	11.4.0.0.0
¼	8.9.0.3.9	8.11.10.4.6	9.2.8.5.3	9.5.6.6.0	9.8.4.6.9	9.11.2.7.6	10.2.0.8.3	10.4.10.9.0	10.7.8.9.9	10.10.6.10.6	11.1.4.11.3	11.4.3.0.0
½	8.9.2.7.6	9.0.0.9.0	9.2.10.10.6	9.5.9.0.0	9.8.7.1.6	9.11.5.3.0	10.2.3.4.6	10.5.1.6.0	10.7.11.7.6	10.10.9.9.0	11.1.7.10.6	11.4.6.0.0
¾	8.9.4.11.3	9.0.3.1.6	9.3.1.3.9	9.5.11.6.0	9.8.9.8.3	9.11.7.10.6	10.2.6.0.9	10.5.4.3.0	10.8.2.5.3	10.11.0.7.6	11.1.10.9.9	11.4.9.0.0
11.5.0	8.9.7.3.0	9.0.5.6.0	9.3.3.9.0	9.6.2.0.0	9.9.0.3.0	9.11.10.6.0	10.2.8.9.0	10.5.7.0.0	10.8.5.3.0	10.11.3.6.0	11.2.1.9.0	11.5.0.0.0
¼	8.9.9.6.9	9.0.7.10.6	9.3.6.2.3	9.6.4.6.0	9.9.2.9.9	10.0.1.1.6	10.2.11.5.3	10.5.9.9.0	10.8.8.0.9	10.11.6.4.6	11.2.4.8.3	11.5.3.0.0
½	8.9.11.10.6	9.0.10.3.0	9.3.8.7.6	9.6.7.0.0	9.9.5.4.6	10.0.3.9.0	10.3.2.1.6	10.6.0.6.0	10.8.10.10.6	10.11.9.3.0	11.2.7.7.6	11.5.6.0.0
¾	8.10.2.2.3	9.1.0.7.6	9.3.11.0.9	9.6.9.6.0	9.9.7.11.3	10.0.6.4.6	10.3.4.9.9	10.6.3.3.0	10.9.1.8.3	11.0.0.1.6	11.2.10.6.9	11.5.9.0.0
11.6.0	8.10.4.6.0	9.1.3.0.0	9.4.1.6.0	9.7.0.0.0	9.9.10.6.0	10.0.9.0.0	10.3.7.6.0	10.6.6.0.0	10.9.4.6.0	11.0.3.0.0	11.3.1.6.0	11.6.0.0.0
¼	8.10.6.9.9	9.1.5.4.6	9.4.3.11.3	9.7.2.6.0	9.10.1.0.9	10.0.11.7.6	10.3.10.2.3	10.6.8.9.0	10.9.7.3.9	11.0.5.10.6	11.3.4.5.3	11.6.3.0.0
½	8.10.9.1.6	9.1.7.9.0	9.4.6.4.6	9.7.5.0.0	9.10.3.7.6	10.1.2.3.0	10.4.0.10.6	10.6.11.6.0	10.9.10.1.6	11.0.8.9.0	11.3.7.4.6	11.6.6.0.0
¾	8.10.11.5.3	9.1.10.1.6	9.4.8.9.9	9.7.7.6.0	9.10.6.2.3	10.1.4.10.6	10.4.3.6.9	10.7.2.3.0	10.10.0.11.3	11.0.11.7.6	11.3.10.3.9	11.6.9.0.0
11.7.0	8.11.1.9.0	9.2.0.6.0	9.4.11.3.0	9.7.10.0.0	9.10.8.9.0	10.1.7.6.0	10.4.6.3.0	10.7.5.0.0	10.10.3.9.0	11.1.2.6.0	11.4.1.3.0	11.7.0.0.0
¼	8.11.4.0.9	9.2.2.10.6	9.5.1.8.3	9.8.0.6.0	9.10.11.3.9	10.1.10.1.6	10.4.8.11.3	10.7.7.9.0	10.10.6.6.9	11.1.5.4.6	11.4.4.2.3	11.7.3.0.0
½	8.11.6.4.6	9.2.5.3.0	9.5.4.1.6	9.8.3.0.0	9.11.1.10.6	10.2.0.9.0	10.4.11.7.6	10.7.10.6.0	10.10.9.4.6	11.1.8.3.0	11.4.7.1.6	11.7.6.0.0
¾	8.11.8.8.3	9.2.7.7.6	9.5.6.6.9	9.8.5.6.0	9.11.4.5.3	10.2.3.4.6	10.5.2.3.9	10.8.1.3.0	10.11.0.2.3	11.1.11.1.6	11.4.10.0.9	11.7.9.0.0
11.8.0	8.11.11.0.0	9.2.10.0.0	9.5.9.0.0	9.8.8.0.0	9.11.7.0.0	10.2.6.0.0	10.5.5.0.0	10.8.4.0.0	10.11.3.0.0	11.2.2.0.0	11.5.1.0.0	11.8.0.0.0
¼	9.0.1.3.9	9.3.0.4.6	9.5.11.5.3	9.8.10.6.0	9.11.9.6.9	10.2.8.7.6	10.5.7.8.3	10.8.6.9.0	10.11.5.9.9	11.2.4.10.6	11.5.3.11.3	11.8.3.0.0
½	9.0.3.7.6	9.3.2.9.0	9.6.1.10.6	9.9.1.0.0	10.0.0.1.6	10.2.11.3.0	10.5.10.4.6	10.8.9.6.0	10.11.8.7.6	11.2.7.9.0	11.5.6.10.6	11.8.6.0.0
¾	9.0.5.11.3	9.3.5.1.6	9.6.4.3.9	9.9.3.6.0	10.0.2.8.3	10.3.1.10.6	10.6.1.0.9	10.9.0.3.0	10.11.11.5.3	11.2.10.7.6	11.5.9.9.9	11.8.9.0.0
11.9.0	9.0.8.3.0	9.3.7.6.0	9.6.6.9.0	9.9.6.0.0	10.0.5.3.0	10.3.4.6.0	10.6.3.9.0	10.9.3.0.0	11.0.2.3.0	11.3.1.6.0	11.6.0.9.0	11.9.0.0.0
¼	9.0.10.6.9	9.3.9.10.6	9.6.9.2.3	9.9.8.6.0	10.0.7.9.9	10.3.7.1.6	10.6.6.5.3	10.9.5.9.0	11.0.5.0.9	11.3.4.4.6	11.6.3.8.3	11.9.3.0.0
½	9.1.0.10.6	9.4.0.3.0	9.6.11.7.6	9.9.11.0.0	10.0.10.4.6	10.3.9.9.0	10.6.9.1.6	10.9.8.6.0	11.0.7.10.6	11.3.7.3.0	11.6.6.7.6	11.9.6.0.0
¾	9.1.3.2.3	9.4.2.7.6	9.7.2.0.9	9.10.1.6.0	10.1.0.11.3	10.4.0.4.6	10.6.11.9.9	10.9.11.3.0	11.0.10.8.3	11.3.10.1.6	11.6.9.6.9	11.9.9.0.0
11.10.0	9.1.5.6.0	9.4.5.0.0	9.7.4.6.0	9.10.4.0.0	10.1.3.6.0	10.4.3.0.0	10.7.2.6.0	10.10.2.0.0	11.1.1.6.0	11.4.1.0.0	11.7.0.6.0	11.10.0.0.0
¼	9.1.7.9.9	9.4.7.4.6	9.7.6.11.3	9.10.6.6.0	10.1.6.0.9	10.4.5.7.6	10.7.5.2.3	10.10.4.9.0	11.1.4.3.9	11.4.3.10.6	11.7.3.5.3	11.10.3.0.0
½	9.1.10.1.6	9.4.9.9.0	9.7.9.4.6	9.10.9.0.0	10.1.8.7.6	10.4.8.3.0	10.7.7.10.6	10.10.7.6.0	11.1.7.1.6	11.4.6.9.0	11.7.6.4.6	11.10.6.0.0
¾	9.2.0.5.3	9.5.0.1.6	9.7.11.9.9	9.10.11.6.0	10.1.11.2.3	10.4.10.10.6	10.7.10.6.9	10.10.10.3.0	11.1.9.11.3	11.4.9.7.6	11.7.9.3.9	11.10.9.0.0
11.11.0	9.2.2.9.0	9.5.2.6.0	9.8.2.3.0	9.11.2.0.0	10.2.1.9.0	10.5.1.6.0	10.8.1.3.0	10.11.1.0.0	11.2.0.9.0	11.5.0.6.0	11.8.0.3.0	11.11.0.0.0
¼	9.2.5.0.9	9.5.4.10.6	9.8.4.8.3	9.11.4.6.0	10.2.4.3.9	10.5.4.1.6	10.8.3.11.3	10.11.3.9.0	11.2.3.6.9	11.5.3.4.6	11.8.3.2.3	11.11.3.0.0
½	9.2.7.4.6	9.5.7.3.0	9.8.7.1.6	9.11.7.0.0	10.2.6.10.6	10.5.6.9.0	10.8.6.7.6	10.11.6.6.0	11.2.6.4.6	11.5.6.3.0	11.8.6.1.6	11.11.6.0.0
¾	9.2.9.8.3	9.5.9.7.6	9.8.9.6.9	9.11.9.6.0	10.2.9.5.3	10.5.9.4.6	10.8.9.3.9	10.11.9.3.0	11.2.9.2.3	11.5.9.1.6	11.8.9.0.9	11.11.9.0.0
12.0.0	9.3.0.0.0	9.6.0.0.0	9.9.0.0.0	10.0.0.0.0	10.3.0.0.0	10.6.0.0.0	10.9.0.0.0	11.0.0.0.0	11.3.0.0.0	11.6.0.0.0	11.9.0.0.0	12.0.0.0.0
¼	9.3.2.3.9	9.6.2.4.6	9.9.2.5.3	10.0.2.6.0	10.3.2.6.9	10.6.2.7.6	10.9.2.8.3	11.0.2.9.0	11.3.2.9.9	11.6.2.10.6	11.9.2.11.3	12.0.3.0.0
½	9.3.4.7.6	9.6.4.9.0	9.9.4.10.6	10.0.5.0.0	10.3.5.1.6	10.6.5.3.0	10.9.5.4.6	11.0.5.6.0	11.3.5.7.6	11.6.5.9.0	11.9.5.10.6	12.0.6.0.0
¾	9.3.6.11.3	9.6.7.1.6	9.9.7.3.9	10.0.7.6.0	10.3.7.8.3	10.6.7.10.6	10.9.8.0.9	11.0.8.3.0	11.3.8.5.3	11.6.8.7.6	11.9.8.9.9	12.0.9.0.0
12.1.0	9.3.9.3.0	9.6.9.6.0	9.9.9.9.0	10.0.10.0.0	10.3.10.3.0	10.6.10.6.0	10.9.10.9.0	11.0.11.0.0	11.3.11.3.0	11.6.11.6.0	11.9.11.9.0	12.1.0.0.0
¼	9.3.11.6.9	9.6.11.10.6	9.10.0.2.3	10.1.0.6.0	10.4.0.9.9	10.7.1.1.6	10.10.1.5.3	11.1.1.9.0	11.4.2.0.9	11.7.2.4.6	11.10.2.8.3	12.1.3.0.0
½	9.4.1.10.6	9.7.2.3.0	9.10.2.7.6	10.1.3.0.0	10.4.3.4.6	10.7.3.9.0	10.10.4.1.6	11.1.4.6.0	11.4.4.10.6	11.7.5.3.0	11.10.5.7.6	12.1.6.0.0
¾	9.4.4.2.3	9.7.4.7.6	9.10.5.0.9	10.1.5.6.0	10.4.5.11.3	10.7.6.4.6	10.10.6.9.9	11.1.7.3.0	11.4.7.8.3	11.7.8.1.6	11.10.8.6.9	12.1.9.0.0
12.2.0	9.4.6.6.0	9.7.7.0.0	9.10.7.6.0	10.1.8.0.0	10.4.8.6.0	10.7.9.0.0	10.10.9.6.0	11.1.10.0.0	11.4.10.6.0	11.7.11.0.0	11.10.11.6.0	12.2.0.0.0
¼	9.4.8.9.9	9.7.9.4.6	9.10.9.11.3	10.1.10.6.0	10.4.11.0.9	10.7.11.7.6	10.11.0.2.3	11.2.0.9.0	11.5.1.3.9	11.8.1.10.6	11.11.2.5.3	12.2.3.0.0
½	9.4.11.1.6	9.7.11.9.0	9.11.0.4.6	10.2.1.0.0	10.5.1.7.6	10.8.2.3.0	10.11.2.10.6	11.2.3.6.0	11.5.4.1.6	11.8.4.9.0	11.11.5.4.6	12.2.6.0.0
¾	9.5.1.5.3	9.8.2.1.6	9.11.2.9.9	10.2.3.6.0	10.5.4.2.3	10.8.4.10.6	10.11.5.6.9	11.2.6.3.0	11.5.6.11.3	11.8.7.7.6	11.11.8.3.9	12.2.9.0.0
12.3.0	9.5.3.9.0	9.8.4.6.0	9.11.5.3.0	10.2.6.0.0	10.5.6.9.0	10.8.7.6.0	10.11.8.3.0	11.2.9.0.0	11.5.9.9.0	11.8.10.6.0	11.11.11.3.0	12.3.0.0.0
¼	9.5.6.0.9	9.8.6.10.6	9.11.7.8.3	10.2.8.6.0	10.5.9.3.9	10.8.10.1.6	10.11.10.11.3	11.2.11.9.0	11.6.0.6.9	11.9.1.4.6	12.0.2.2.3	12.3.3.0.0
½	9.5.8.4.6	9.8.9.3.0	9.11.10.1.6	10.2.11.0.0	10.5.11.10.6	10.9.0.9.0	11.0.1.7.6	11.3.2.6.0	11.6.3.4.6	11.9.4.3.0	12.0.5.1.6	12.3.6.0.0
¾	9.5.10.8.3	9.8.11.7.6	10.0.0.6.9	10.3.1.6.0	10.6.2.5.3	10.9.3.4.6	11.0.4.3.9	11.3.5.3.0	11.6.6.2.3	11.9.7.1.6	12.0.8.0.9	12.3.9.0.0
12.4.0	9.6.1.0.0	9.9.2.0.0	10.0.3.0.0	10.3.4.0.0	10.6.5.0.0	10.9.6.0.0	11.0.7.0.0	11.3.8.0.0	11.6.9.0.0	11.9.10.0.0	12.0.11.0.0	12.4.0.0.0
¼	9.6.3.3.9	9.9.4.4.6	10.0.5.5.3	10.3.6.6.0	10.6.7.6.9	10.9.8.7.6	11.0.9.8.3	11.3.10.9.0	11.6.11.9.9	11.10.0.10.6	12.1.1.11.3	12.4.3.0.0
½	9.6.5.7.6	9.9.6.9.0	10.0.7.10.6	10.3.9.0.0	10.6.10.1.6	10.9.11.3.0	11.1.0.4.6	11.4.1.6.0	11.7.2.7.6	11.10.3.9.0	12.1.4.10.6	12.4.6.0.0
¾	9.6.7.11.3	9.9.9.1.6	10.0.10.3.9	10.3.11.6.0	10.7.0.8.3	10.10.1.10.6	11.1.3.0.9	11.4.4.3.0	11.7.5.5.3	11.10.6.7.6	12.1.7.9.9	12.4.9.0.0
12.5.0	9.6.10.3.0	9.9.11.6.0	10.1.0.9.0	10.4.2.0.0	10.7.3.3.0	10.10.4.6.0	11.1.5.9.0	11.4.7.0.0	11.7.8.3.0	11.10.9.6.0	12.1.10.9.0	12.5.0.0.0
¼	9.7.0.6.9	9.10.1.10.6	10.1.3.2.3	10.4.4.6.0	10.7.5.9.9	10.10.7.1.6	11.1.8.5.3	11.4.9.9.0	11.7.11.0.9	11.11.0.4.6	12.2.1.8.3	12.5.3.0.0
½	9.7.2.10.6	9.10.4.3.0	10.1.5.7.6	10.4.7.0.0	10.7.8.4.6	10.10.9.9.0	11.1.11.1.6	11.5.0.6.0	11.8.1.10.6	11.11.3.3.0	12.2.4.7.6	12.5.6.0.0
¾	9.7.5.2.3	9.10.6.7.6	10.1.8.0.9	10.4.9.6.0	10.7.10.11.3	10.11.0.4.6	11.2.1.9.9	11.5.3.3.0	11.8.4.8.3	11.11.6.1.6	12.2.7.6.9	12.5.9.0.0

from 1 foot by 1 foot and 1 2uarter of an inch to 1 foot 6 inches and 3 quarters by 1 foot 3 inches.

F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	1.0¼	1.0½	1.0¾	1.1.0	1.1¼	1.1½	1.1.¾	1.2.0	1.2¼	1.2½	1.2¾	1.3.0
1.0.0	1.0.3.0.0											
¼	1.0.6.0.9											
½	1.0.9.1.6	1.1.0.3.0										
¾	1.1.0.2.3	1.1.3.4.6	1.1.6.6.9									
1.1.0	1.1.3.3.0	1.1.6.6.0	1.1.9.9.0	1.2.1.0.0								
¼	1.1.6.3.9	1.1.9.7.6	1.2.0.11.3	1.2.4.3.0	1.2.7.6.9							
½	1.1.9.4.6	1.2.0.9.0	1.2.4.1.6	1.2.7.6.0	1.2.10.10.6	1.3.2.3.0						
¾	1.2.0.5.3	1.2.3.10.6	1.2.7.3.9	1.2.10.9.0	1.3.2.2.3	1.3.5.7.6	1.3.9.0.9					
1.2.0	1.2.3.6.0	1.2.7.0.0	1.2.10.6.0	1.3.2.0.0	1.3.5.6.0	1.3.9.0.0	1.4.0.6.0	1.4.4.0.0				
¼	1.2.6.6.9	1.2.10.1.6	1.3.1.8.3	1.3.5.3.0	1.3.8.9.9	1.4.0.4.6	1.4.3.11.3	1.4.7.6.0	1.4.11.0.9			
½	1.2.9.7.6	1.3.1.3.0	1.3.4.10.6	1.3.8.6.0	1.4.0.1.6	1.4.3.9.0	1.4.7.4.6	1.4.11.0.0	1.5.2.7.6	1.5.6.3.0		
¾	1.3.0.8.3	1.3.4.4.6	1.3.8.0.9	1.3.11.9.0	1.4.3.5.3	1.4.7.1.6	1.4.10.9.9	1.5.2.6.0	1.5.6.2.3	1.5.9.10.6	1.6.1.6.9	
1.3.0	1.3.3.9.0	1.3.7.6.0	1.3.11.3.0	1.4.3.0.0	1.4.6.9.0	1.4.10.6.0	1.5.2.3.0	1.5.6.0.0	1.5.9.9.0	1.6.1.6.0	1.6.5.3.0	1.6.9.0.0
¼	1.3.6.9.9	1.3.10.7.6	1.4.2.5.3	1.4.6.3.0	1.4.10.0.9	1.5.1.10.6	1.5.5.8.3	1.5.9.6.0	1.6.1.3.9	1.6.5.1.6	1.6.8.11.3	1.7.0.9.0
½	1.3.9.10.6	1.4.1.9.0	1.4.5.7.6	1.4.9.6.0	1.5.1.4.6	1.5.5.3.0	1.5.9.1.6	1.6.1.0.0	1.6.4.10.6	1.6.8.9.0	1.7.0.7.6	1.7.4.6.0
¾	1.4.0.11.3	1.4.4.10.6	1.4.8.9.9	1.5.0.9.0	1.5.4.8.3	1.5.8.7.6	1.6.0.6.9	1.6.4.6.0	1.6.8.5.3	1.7.0.4.6	1.7.4.3.9	1.7.8.3.0
1.4.0	1.4.4.0.0	1.4.8.0.0	1.5.0.0.0	1.5.4.0.0	1.5.8.0.0	1.6.0.0.0	1.6.4.0.0	1.6.8.0.0	1.7.0.0.0	1.7.4.0.0	1.7.8.0.0	1.8.0.0.0
¼	1.4.7.0.9	1.4.11.1.6	1.5.3.2.3	1.5.7.3.0	1.5.11.3.9	1.6.3.4.6	1.6.7.5.3	1.6.11.6.0	1.7.3.6.9	1.7.7.7.6	1.7.11.8.3	1.8.3.9.0
½	1.4.10.1.6	1.5.2.3.0	1.5.6.4.6	1.5.10.6.0	1.6.2.7.6	1.6.6.9.0	1.6.10.10.6	1.7.3.0.0	1.7.7.1.6	1.7.11.3.0	1.8.3.4.6	1.8.7.6.0
¾	1.5.1.2.3	1.5.5.4.6	1.5.9.6.9	1.6.1.9.0	1.6.5.11.3	1.6.10.1.6	1.7.2.3.9	1.7.6.6.0	1.7.10.8.3	1.8.2.10.6	1.8.7.0.9	1.8.11.3.0
1.5.0	1.5.4.3.0	1.5.8.6.0	1.6.0.9.0	1.6.5.0.0	1.6.9.3.0	1.7.1.6.0	1.7.5.9.0	1.7.10.0.0	1.8.2.3.0	1.8.6.6.0	1.8.10.9.0	1.9.3.0.0
¼	1.5.7.3.9	1.5.11.7.6	1.6.3.11.3	1.6.8.3.0	1.7.0.6.9	1.7.4.10.6	1.7.9.2.3	1.8.1.6.0	1.8.5.9.9	1.8.10.1.6	1.9.2.5.3	1.9.6.9.0
½	1.5.10.4.6	1.6.2.9.0	1.6.7.1.6	1.6.11.6.0	1.7.3.10.6	1.7.8.3.0	1.8.0.7.6	1.8.5.0.0	1.8.9.4.6	1.9.1.9.0	1.9.6.1.6	1.9.10.6.0
¾	1.6.1.5.3	1.6.5.10.6	1.6.10.3.9	1.7.2.9.0	1.7.7.2.3	1.7.11.7.6	1.8.4.0.9	1.8.8.6.0	1.9.0.11.3	1.9.5.4.6	1.9.9.9.9	1.10.2.3.0
1.6.0	1.6.4.6.0	1.6.9.0.0	1.7.1.6.0	1.7.6.0.0	1.7.10.6.0	1.8.3.0.0	1.8.7.6.0	1.9.0.0.0	1.9.4.6.0	1.9.9.0.0	1.10.1.6.0	1.10.6.0.0
¼	1.6.7.6.9	1.7.0.1.6	1.7.4.8.3	1.7.9.3.0	1.8.1.9.9	1.8.6.4.6	1.8.10.11.3	1.9.3.6.0	1.9.8.0.9	1.10.0.7.6	1.10.5.2.3	1.10.9.9.0
½	1.6.10.7.6	1.7.3.3.0	1.7.7.10.6	1.8.0.6.0	1.8.5.1.6	1.8.9.9.0	1.9.2.4.6	1.9.7.0.0	1.9.11.7.6	1.10.4.3.0	1.10.8.10.6	1.11.1.6.0
¾	1.7.1.8.3	1.7.6.4.6	1.7.11.0.9	1.8.3.9.0	1.8.8.5.3	1.9.1.1.6	1.9.5.9.9	1.9.10.6.0	1.10.3.2.3	1.10.7.10.6	1.11.0.6.9	1.11.5.3.0

A TABLE OF FEET AND INCHES

from 1 foot 7 inches by 1 foot and 1 quarter of an inch to 4 foot and 3 quarters of an inch by 1 foot 3 inches

F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	1.0¼	1.0½	1.0¾	1.1.0	1.1¼	1.1½	1.1¾	1.2.0	1.2¼	1.2½	1.2¾	1.3.0
1.7.0	1.7.4.0.0	1.7.9.6.0	1.8.2.3.0	1.8.7.0.0	1.8.11.9.0	1.9.4.6.0	1.9.9.3.0	1.10.2.0.0	1.10.6.9.0	1.10.11.6.0	1.11.4.3.0	1.11.9.0.0
¼	1.7.7.9.9	1.8.0.7.6	1.8.5.5.3	1.8.10.3.0	1.9.3.0.9	1.9.7.10.6	1.10.0.8.3	1.10.5.6.0	1.10.10.3.9	1.11.3.1.6	1.11.7.11.3	2.0.0.9.0
½	1.7.10.10.6	1.8.3.9.0	1.8.8.7.6	1.9.1.6.0	1.9.6.4.6	1.9.11.3.0	1.10.4.1.6	1.10.9.0.0	1.11.1.10.6	1.11.6.9.0	1.11.11.7.6	2.0.4.6.0
¾	1.8.1.11.3	1.8.6.10.6	1.8.11.9.9	1.9.4.9.0	1.9.9.8.3	1.10.2.7.6	1.10.7.6.9	1.11.0.6.0	1.11.5.5.3	1.11.10.4.6	2.0.3.3.9	2.0.8.3.0
1.8.0	1.8.5.0.0	1.8.10.0.0	1.9.3.0.0	1.9.8.0.0	1.10.1.0.0	1.10.6.0.0	1.10.11.0.0	1.11.4.0.0	1.11.9.0.0	2.0.2.0.0	2.0.7.0.0	2.1.0.0.0
¼	1.8.8.0.9	1.9.1.1.6	1.9.6.2.3	1.9.11.3.0	1.10.4.3.9	1.10.9.4.6	1.11.2.5.3	1.11.7.6.0	2.0.0.6.9	2.0.5.7.6	2.0.10.8.3	2.1.3.9.0
½	1.8.11.1.6	1.9.4.3.0	1.9.9.4.6	1.10.2.6.0	1.10.7.7.6	1.11.0.9.0	1.11.5.10.6	1.11.11.0.0	2.0.4.1.6	2.0.9.3.0	2.1.2.4.6	2.1.7.6.0
¾	1.9.2.2.3	1.9.7.4.6	1.10.0.6.9	1.10.5.9.0	1.10.10.11.3	1.11.4.1.6	1.11.9.3.9	2.0.2.6.0	2.0.7.8.3	2.1.0.10.6	2.1.6.0.9	2.1.11.3.0
1.9.0	1.9.5.3.0	1.9.10.6.0	1.10.3.9.0	1.10.9.0.0	1.11.2.3.0	1.11.7.6.0	2.0.0.9.0	2.0.6.0.0	2.0.11.3.0	2.1.4.6.0	2.1.9.9.0	2.2.3.0.0
¼	1.9.8.3.9	1.10.1.7.6	1.10.6.11.3	1.11.0.3.0	1.11.5.6.9	1.11.10.10.6	2.0.4.2.3	2.0.9.6.0	2.1.2.9.9	2.1.8.1.6	2.2.1.5.3	2.2.6.9.0
½	1.9.11.4.6	1.10.4.9.0	1.10.10.1.6	1.11.3.6.0	1.11.8.10.6	2.0.2.3.0	2.0.7.7.6	2.1.1.0.0	2.1.6.4.6	2.1.11.9.0	2.2.5.1.6	2.2.10.6.0
¾	1.10.2.5.3	1.10.7.10.6	1.11.1.3.9	1.11.6.9.0	2.0.0.2.3	2.0.5.7.6	2.0.11.0.9	2.1.4.6.0	2.1.9.11.3	2.2.3.4.6	2.2.8.9.9	2.3.2.3.0
1.10.0	1.10.5.6.0	1.10.11.0.0	1.11.4.6.0	1.11.10.0.0	2.0.3.6.0	2.0.9.0.0	2.1.2.6.0	2.1.8.0.0	2.2.1.6.0	2.2.7.0.0	2.3.0.6.0	2.3.6.0.0
¼	1.10.8.6.9	1.11.2.1.6	1.11.7.8.3	2.0.1.3.0	2.0.6.9.9	2.1.0.4.6	2.1.5.11.3	2.1.11.6.0	2.2.5.0.9	2.2.10.7.0	2.3.4.2.3	2.3.9.9.0
½	1.10.11.7.6	1.11.5.3.0	1.11.10.10.6	2.0.4.6.0	2.0.10.1.6	2.1.3.9.0	2.1.9.4.6	2.2.3.0.0	2.2.8.7.6	2.3.2.3.0	2.3.7.10.6	2.4.1.6.0
¾	1.11.2.8.3	1.11.8.4.6	2.0.2.0.9	2.0.7.9.0	2.1.1.5.3	2.1.7.1.6	2.2.0.9.9	2.2.6.6.0	2.3.0.2.3	2.3.5.10.0	2.3.11.6.9	2.4.5.3.0
1.11.0	1.11.5.9.0	1.11.11.6.0	2.0.5.3.0	2.0.11.0.0	2.1.4.9.0	2.1.10.6.0	2.2.4.3.0	2.2.10.0.0	2.3.3.9.0	2.3.9.6.0	2.4.3.3.0	2.4.9.0.0
¼	1.11.8.9.9	2.0.2.7.6	2.0.8.5.3	2.1.2.3.0	2.1.8.0.9	2.2.1.10.6	2.2.7.8.3	2.3.1.6.0	2.3.7.3.9	2.4.1.1.6	2.4.0.11.3	2.5.0.9.0
½	1.11.11.10.6	2.0.5.9.0	2.0.11.7.6	2.1.5.6.0	2.1.11.4.6	2.2.5.3.0	2.2.11.1.6	2.3.5.0.0	2.3.10.10.6	2.4.4.9.0	2.4.10.7.6	2.5.4.6.0
¾	2.0.2.11.3	2.0.8.10.6	2.1.2.9.9	2.1.8.9.0	2.2.2.8.3	2.2.8.7.6	2.3.2.6.9	2.3.8.6.0	2.4.2.5.3	2.4.8.4.6	2.5.2.3.9	2.5.8.3.0
2.0.0	2.0.6.0.0	2.1.0.0.0	2.1.6.0.0	2.2.0.0.0	2.2.6.0.0	2.3.0.0.0	2.3.6.0.0	2.4.0.0.0	2.4.6.0.0	2.5.0.0.0	2.5.6.0.0	2.6.0.0.0
¼	2.0.9.0.9	2.1.3.1.6	2.1.9.2.3	2.2.3.3.0	2.2.9.3.9	2.3.3.4.6	2.3.9.5.3	2.4.3.6.0	2.4.9.6.9	2.5.3.7.6	2.5.9.8.3	2.6.3.9.0
½	2.1.0.1.6	2.1.6.3.0	2.2.0.4.6	2.2.6.6.0	2.3.0.7.6	2.3.6.9.0	2.4.0.10.6	2.4.7.0.0	2.5.1.1.6	2.5.7.3.0	2.6.1.4.6	2.6.7.6.0
¾	2.1.3.2.3	2.1.9.4.6	2.2.3.6.9	2.2.9.9.0	2.3.3.11.3	2.3.10.1.6	2.4.4.3.9	2.4.10.6.0	2.5.4.8.3	2.5.10.10.6	2.6.5.0.9	2.6.11.3.0
2.1.0	2.1.6.3.0	2.2.0.6.0	2.2.6.9.0	2.3.1.0.0	2.3.7.3.0	2.4.1.6.0	2.4.7.9.0	2.5.2.0.0	2.5.8.3.0	2.6.2.6.0	2.6.8.9.0	2.7.3.0.0
¼	2.1.9.3.9	2.2.3.7.6	2.2.9.11.3	2.3.4.3.0	2.3.10.6.9	2.4.4.10.6	2.4.11.2.3	2.5.5.6.0	2.5.11.9.9	2.6.6.1.6	2.7.0.5.3	2.7.6.9.0
½	2.2.0.4.6	2.2.6.9.0	2.3.1.1.6	2.3.7.6.0	2.4.1.10.6	2.4.8.3.0	2.5.2.7.6	2.5.9.0.0	2.6.3.4.6	2.6.9.9.0	2.7.4.1.6	2.7.10.6.0
¾	2.2.3.5.3	2.2.9.10.6	2.3.4.3.9	2.3.10.9.0	2.4.5.2.3	2.4.11.7.6	2.5.6.0.9	2.6.0.6.0	2.6.6.11.3	2.7.1.4.6	2.7.7.9.9	2.8.2.3.0
2.2.0	2.2.6.6.0	2.3.1.0.0	2.3.7.6.0	2.4.2.0.0	2.4.8.6.0	2.5.3.0.0	2.5.9.6.0	2.6.4.0.0	2.6.10.6.0	2.7.5.0.0	2.7.11.6.0	2.8.6.0.0
¼	2.2.9.6.9	2.3.4.1.6	2.3.10.8.3	2.4.5.3.0	2.4.11.9.9	2.5.6.4.6	2.6.0.11.3	2.6.7.6.0	2.7.2.0.9	2.7.8.7.6	2.8.3.2.3	2.8.9.9.0
½	2.3.0.7.6	2.3.7.3.0	2.4.1.10.6	2.4.8.6.0	2.5.3.1.6	2.5.9.9.0	2.6.4.4.6	2.6.11.0.0	2.7.5.7.6	2.8.0.3.0	2.8.6.10.6	2.9.1.6.0
¾	2.3.3.8.3	2.3.10.4.6	2.4.5.0.9	2.4.11.9.0	2.5.6.5.3	2.6.1.1.6	2.6.7.9.9	2.7.2.6.0	2.7.9.2.3	2.8.3.10.6	2.8.10.6.9	2.9.5.3.0
2.3.0	2.3.6.9.0	2.4.1.6.0	2.4.8.3.0	2.5.3.0.0	2.5.9.9.0	2.6.4.6.0	2.6.11.3.0	2.7.6.0.0	2.8.0.9.0	2.8.7.6.0	2.9.2.3.0	2.9.9.0.0
¼	2.3.9.9.9	2.4.4.7.6	2.4.11.5.3	2.5.6.3.0	2.6.1.0.9	2.6.7.10.6	2.7.2.8.3	2.7.9.6.0	2.8.4.3.9	2.8.11.1.6	2.9.5.11.3	2.10.0.9.0
½	2.4.0.10.6	2.4.7.9.0	2.5.2.7.6	2.5.9.6.0	2.6.4.4.6	2.6.11.3.0	2.7.6.1.6	2.8.1.0.0	2.8.7.10.6	2.9.2.9.0	2.9.9.7.6	2.10.4.6.0
¾	2.4.3.11.3	2.4.10.10.6	2.5.5.9.9	2.6.0.9.0	2.6.7.8.3	2.7.2.7.6	2.7.9.6.9	2.8.4.6.0	2.8.11.5.3	2.9.6.4.6	2.10.1.3.9	2.10.8.3.0
2.4.0	2.4.7.0.0	2.5.2.0.0	2.5.9.0.0	2.6.4.0.0	2.6.11.0.0	2.7.6.0.0	2.8.1.0.0	2.8.8.0.0	2.9.3.0.0	2.9.10.0.0	2.10.5.0.0	2.11.0.0.0
¼	2.4.10.0.9	2.5.5.1.6	2.6.0.2.3	2.6.7.3.0	2.7.2.3.9	2.7.9.4.6	2.8.4.5.3	2.8.11.6.0	2.9.6.6.9	2.10.1.7.6	2.10.8.8.3	2.11.3.9.0
½	2.5.1.1.6	2.5.8.3.0	2.6.3.4.6	2.6.10.6.0	2.7.5.7.6	2.8.0.9.0	2.8.7.10.6	2.9.3.0.0	2.9.10.1.6	2.10.5.3.0	2.11.0.4.6	2.11.7.6.0
¾	2.5.4.2.3	2.5.11.4.6	2.6.6.6.9	2.7.1.9.0	2.7.8.11.3	2.8.4.1.6	2.8.11.3.9	2.9.6.6.0	2.10.1.8.3	2.10.8.10.6	2.11.4.0.9	2.11.11.3.0
2.5.0	2.5.7.3.0	2.6.2.6.0	2.6.9.9.0	2.7.5.0.0	2.8.0.3.0	2.8.7.6.0	2.9.2.9.0	2.9.10.0.0	2.10.5.3.0	2.11.0.6.0	2.11.7.9.0	3.0.3.0.0
¼	2.5.10.3.9	2.6.5.7.6	2.7.0.11.3	2.7.8.3.0	2.8.3.6.9	2.8.10.10.6	2.9.6.2.3	2.10.1.6.0	2.10.8.9.9	2.11.4.1.6	2.11.11.5.3	3.0.6.9.0
½	2.6.1.4.6	2.6.8.9.0	2.7.4.1.6	2.7.11.6.0	2.8.6.10.6	2.9.2.3.0	2.9.9.7.6	2.10.5.0.0	2.11.0.4.6	2.11.7.9.0	3.0.3.1.6	3.0.10.6.0
¾	2.6.4.5.3	2.6.11.10.6	2.7.7.3.9	2.8.2.9.0	2.8.10.2.3	2.9.5.7.6	2.10.1.0.9	2.10.8.6.0	2.11.3.11.3	2.11.11.4.6	3.0.6.9.9	3.1.2.3.0
2.6.0	2.6.7.6.0	2.7.3.0.0	2.7.10.6.0	2.8.6.0.0	2.9.1.6.0	2.9.9.0.0	2.10.4.6.0	2.11.0.0.0	2.11.7.6.0	3.0.3.0.0	3.0.10.6.0	3.1.6.0.0
¼	2.6.10.6.9	2.7.6.1.6	2.8.1.8.3	2.8.9.3.0	2.9.4.9.9	2.10.0.4.6	2.10.7.11.3	2.11.3.6.0	2.11.11.0.9	3.0.6.7.6	3.1.2.2.3	3.1.9.9.0
½	2.7.1.7.6	2.7.9.3.0	2.8.4.10.6	2.9.0.6.0	2.9.8.1.6	2.10.3.9.0	2.10.11.4.6	2.11.7.0.0	3.0.2.7.6	3.0.10.3.0	3.1.5.10.6	3.2.1.6.0
¾	2.7.4.8.3	2.8.0.4.6	2.8.8.0.9	2.9.3.9.0	2.9.11.5.3	2.10.7.1.6	2.11.2.9.9	2.11.10.6.0	3.0.6.2.3	3.1.1.10.6	3.1.9.6.9	3.2.5.3.0
2.7.0	2.7.7.9.0	2.8.3.6.0	2.8.11.3.0	2.9.7.0.0	2.10.2.9.0	2.10.10.6.0	2.11.6.3.0	3.0.2.0.0	3.0.9.9.0	3.1.5.6.0	3.2.1.3.0	3.2.9.0.0
¼	2.7.10.9.9	2.8.6.7.6	2.9.2.5.3	2.9.10.3.0	2.10.6.0.9	2.11.1.10.6	2.11.9.8.3	3.0.5.6.0	3.1.1.3.9	3.1.9.1.6	3.2.4.11.3	3.3.0.9.0
½	2.8.1.10.6	2.8.9.9.0	2.9.5.7.6	2.10.1.6.0	2.10.9.4.6	2.11.5.3.0	3.0.1.1.6	3.0.9.0.0	3.1.4.10.6	3.2.0.9.0	3.2.8.7.6	3.3.4.6.0
¾	2.8.4.11.3	2.9.0.10.6	2.9.8.9.9	2.10.4.9.0	2.11.0.8.3	2.11.8.7.6	3.0.4.6.9	3.1.0.6.0	3.1.8.5.3	3.2.4.4.6	3.3.0.3.9	3.3.8.3.0
2.8.0	2.8.8.0.0	2.9.4.0.0	2.10.0.0.0	2.10.8.0.0	2.11.4.0.0	3.0.0.0.0	3.0.8.0.0	3.1.4.0.0	3.2.0.0.0	3.2.8.0.0	3.3.4.0.0	3.4.0.0.0
¼	2.8.11.0.9	2.9.7.1.6	2.10.3.2.3	2.10.11.3.0	2.11.7.3.9	3.0.3.4.6	3.0.11.5.3	3.1.7.6.0	3.2.3.6.9	3.2.11.7.6	3.3.7.8.3	3.4.3.9.0
½	2.9.2.1.6	2.9.10.3.0	2.10.6.4.6	2.11.2.6.0	2.11.10.7.6	3.0.6.9.0	3.1.2.10.6	3.1.11.0.0	3.2.7.1.6	3.3.3.3.0	3.3.11.4.6	3.4.7.6.0
¾	2.9.5.2.3	2.10.1.4.6	2.10.9.6.9	2.11.5.9.0	3.0.1.11.3	3.0.10.1.6	3.1.6.3.9	3.2.2.6.0	3.2.10.8.3	3.3.6.10.6	3.4.3.0.9	3.4.11.3.0
2.9.0	2.9.8.3.0	2.10.4.6.0	2.11.0.9.0	2.11.9.0.0	3.0.5.3.0	3.1.1.6.0	3.1.9.9.0	3.2.6.0.0	3.3.2.3.0	3.3.10.6.0	3.4.6.9.0	3.5.3.0.0
¼	2.9.11.3.9	2.10.7.7.6	2.11.3.11.3	3.0.0.3.0	3.0.8.6.9	3.1.4.10.6	3.2.1.2.3	3.2.9.6.0	3.3.5.9.9	3.4.2.1.6	3.4.10.5.3	3.5.6.9.0
½	2.10.2.4.6	2.10.10.9.0	2.11.7.1.6	3.0.3.6.0	3.0.11.10.6	3.1.8.3.0	3.2.4.7.6	3.3.1.0.0	3.3.9.4.6	3.4.5.9.0	3.5.2.1.6	3.5.10.6.0
¾	2.10.5.5.3	2.11.1.10.6	2.11.10.3.9	3.0.6.9.0	3.1.3.2.3	3.1.11.7.6	3.2.8.0.9	3.3.4.6.0	3.4.0.11.3	3.4.9.4.6	3.5.5.9.9	3.6.2.3.0
2.10.0	2.10.8.6.0	2.11.5.0.0	3.0.1.6.0	3.0.10.0.0	3.1.6.6.0	3.2.3.0.0	3.2.11.6.0	3.3.8.0.0	3.4.4.6.0	3.5.1.0.0	3.5.9.6.0	3.6.6.0.0
¼	2.10.11.6.9	2.11.8.1.6	3.0.4.8.3	3.1.1.3.0	3.1.9.9.9	3.2.6.4.6	3.3.2.11.3	3.3.11.6.0	3.4.8.0.9	3.5.4.7.6	3.6.1.2.3	3.6.9.9.0
½	2.11.2.7.6	2.11.11.3.0	3.0.7.10.6	3.1.4.6.0	3.2.1.1.6	3.2.9.9.0	3.3.6.4.6	3.4.3.0.0	3.4.11.7.6	3.5.8.3.0	3.6.4.10.6	3.7.1.6.0
¾	2.11.5.8.3	3.0.2.4.6	3.0.11.0.9	3.1.7.9.0	3.2.4.5.3	3.3.1.1.6	3.3.9.9.9	3.4.6.6.0	3.5.3.2.3	3.5.11.10.6	3.6.8.6.9	3.7.5.3.0
2.11.0	2.11.8.9.0	3.0.5.6.0	3.1.2.3.0	3.1.11.0.0	3.2.7.9.0	3.3.4.6.0	3.4.1.3.0	3.4.10.0.0	3.5.6.9.0	3.6.3.6.0	3.7.0.3.0	3.7.9.0.0
¼	2.11.11.9.9	3.0.8.7.6	3.1.5.5.3	3.2.2.3.0	3.2.11.0.9	3.3.7.10.6	3.4.4.8.3	3.5.1.6.0	3.5.10.3.9	3.6.7.1.6	3.7.3.11.3	3.8.0.9.0
½	3.0.2.10.6	3.0.11.9.0	3.1.8.7.6	3.2.5.6.0	3.3.2.4.6	3.3.11.3.0	3.4.8.1.6	3.5.5.0.0	3.6.1.10.6	3.6.10.9.0	3.7.7.7.6	3.8.4.6.0
¾	3.0.5.11.3	3.1.2.10.6	3.1.11.9.9	3.2.8.9.0	3.3.5.8.3	3.4.2.7.6	3.4.11.6.9	3.5.8.6.0	3.6.5.5.3	3.7.2.4.6	3.7.11.3.9	3.8.8.3.0
3.0.0	3.0.9.0.0	3.1.6.0.0	3.2.3.0.0	3.3.0.0.0	3.3.9.0.0	3.4.6.0.0	3.5.3.0.0	3.6.0.0.0	3.6.9.0.0	3.7.6.0.0	3.8.3.0.0	3.9.0.0.0
¼	3.1.0.0.9	3.1.9.1.6	3.2.6.2.3	3.3.3.3.0	3.4.0.3.9	3.4.9.4.6	3.5.6.5.3	3.6.3.6.0	3.7.0.6.9	3.7.9.7.6	3.8.6.8.3	3.9.3.9.0
½	3.1.3.1.6	3.2.0.3.0	3.2.9.4.6	3.3.6.6.0	3.4.3.7.6	3.5.0.9.0	3.5.9.10.6	3.6.7.0.0	3.7.4.1.6	3.8.1.3.0	3.8.10.4.6	3.9.7.6.0
¾	3.1.6.2.3	3.2.3.4.6	3.3.0.6.9	3.3.9.9.0	3.4.6.11.3	3.5.4.1.6	3.6.1.3.9	3.6.10.6.0	3.7.7.8.3	3.8.4.10.6	3.9.2.0.9	3.9.11.3.0
3.1.0	3.1.9.3.0	3.2.6.6.0	3.3.3.9.0	3.4.1.0.0	3.4.10.3.0	3.5.7.6.0	3.6.4.9.0	3.7.2.0.0	3.7.11.3.0	3.8.8.6.0	3.9.5.9.0	3.10.3.0.0
¼	3.2.0.3.9	3.2.9.7.6	3.3.6.11.3	3.4.4.3.0	3.5.1.6.9	3.5.10.10.6	3.6.8.2.3	3.7.5.6.0	3.8.2.9.9	3.9.0.1.6	3.9.9.5.3	3.10.6.9.0
½	3.2.3.4.6	3.3.0.9.0	3.3.10.1.6	3.4.7.6.0	3.5.4.10.6	3.6.2.3.0	3.6.11.7.6	3.7.9.0.0	3.8.6.4.6	3.9.3.9.0	3.10.1.1.6	3.10.10.6.0
¾	3.2.6.5.3	3.3.3.10.6	3.4.1.3.9	3.4.10.9.0	3.5.8.2.3	3.6.5.7.6	3.7.3.0.9	3.8.0.6.0	3.8.9.11.3	3.9.7.4.6	3.10.4.9.9	3.11.2.3.0
3.2.0	3.2.9.6.0	3.3.7.0.0	3.4.4.6.0	3.5.2.0.0	3.5.11.6.0	3.6.9.0.0	3.7.6.6.0	3.8.4.0.0	3.9.1.6.0	3.9.11.0.0	3.10.8.6.0	3.11.6.0.0
¼	3.3.0.6.9	3.3.10.1.6	3.4.7.8.3	3.5.5.3.0	3.6.2.9.9	3.7.0.4.6	3.7.9.11.3	3.8.7.6.0	3.9.5.0.9	3.10.2.7.6	3.11.0.2.3	3.11.9.9.0
½	3.3.3.7.6	3.4.1.3.0	3.4.10.10.6	3.5.8.6.0	3.6.6.1.6	3.7.3.9.0	3.8.1.4.6	3.8.11.0.0	3.9.8.7.6	3.10.6.3.0	3.11.3.10.6	4.0.1.6.0
¾	3.3.6.8.3	3.4.4.4.6	3.5.2.0.9	3.5.11.9.0	3.6.9.5.3	3.7.7.1.6	3.8.4.9.9	3.9.2.6.0	3.10.0.2.3	3.10.9.10.6	3.11.7.6.9	4.0.5.3.0
3.3.0	3.3.9.9.0	3.4.7.6.0	3.5.5.3.0	3.6.3.0.0	3.7.0.9.0	3.7.10.6.0	3.8.8.3.0	3.9.6.0.0	3.10.3.9.0	3.11.1.6.0	3.11.11.3.0	4.0.9.0.0
¼	3.4.0.9.9	3.4.10.7.6	3.5.8.5.3	3.6.6.3.0	3.7.4.0.9	3.8.1.10.6	3.8.11.8.3	3.9.9.6.0	3.10.7.3.9	3.11.5.1.6	4.0.2.11.3	4.1.0.9.0
½	3.4.3.10.6	3.5.1.9.0	3.5.11.7.6	3.6.9.6.0	3.7.7.4.6	3.8.5.3.0	3.9.3.1.6	3.10.1.0.0	3.10.10.10.6	3.11.8.9.0	4.0.6.7.6	4.1.4.6.0
¾	3.4.6.11.3	3.5.4.10.6	3.6.2.9.9	3.7.0.9.0	3.7.10.8.3	3.8.8.7.6	3.9.6.6.9	3.10.4.6.0	3.11.2.5.3	4.0.0.4.6	4.0.10.3.9	4.1.8.3.0
3.4.0	3.4.10.0.0	3.5.8.0.0	3.6.6.0.0	3.7.4.0.0	3.8.2.0.0	3.9.0.0.0	3.9.10.0.0	3.10.8.0.0	3.11.6.0.0	4.0.4.0.0	4.1.2.0.0	4.2.0.0.0
¼	3.5.1.0.9	3.5.11.1.6	3.6.9.2.3	3.7.7.3.0	3.8.5.3.9	3.9.3.4.6	3.10.1.5.3	3.10.11.6.0	3.11.9.6.9	4.0.7.7.6	4.1.5.8.3	4.2.3.9.0
½	3.5.4.1.6	3.6.2.3.0	3.7.0.4.6	3.7.10.6.0	3.8.8.7.6	3.9.6.9.0	3.10.4.10.6	3.11.3.0.0	4.0.1.1.6	4.0.11.3.0	4.1.9.4.6	4.2.7.6.0
¾	3.5.7.2.3	3.6.5.4.6	3.7.3.6.9	3.8.1.9.0	3.8.11.11.3	3.9.10.1.6	3.10.8.3.9	3.11.6.6.0	4.0.4.8.3	4.1.2.10.6	4.2.1.0.9	4.2.11.3.0
3.5.0	3.5.10.3.0	3.6.8.6.0	3.7.6.9.0	3.8.5.0.0	3.9.3.3.0	3.10.1.6.0	3.10.11.9.0	3.11.10.0.0	4.0.8.3.0	4.1.6.6.0	4.2.4.9.0	4.3.3.0.0
¼	3.6.1.3.9	3.6.11.7.6	3.7.9.11.3	3.8.8.3.0	3.9.6.6.9	3.10.4.10.6	3.11.3.2.3	4.0.1.6.0	4.0.11.9.9	4.1.10.1.6	4.2.8.5.3	4.3.6.9.0
½	3.6.4.4.6	3.7.2.9.0	3.8.1.1.6	3.8.11.6.0	3.9.9.10.6	3.10.8.3.0	3.11.6.7.6	4.0.5.0.0	4.1.3.4.6	4.2.1.9.0	4.3.0.1.6	4.3.10.6.0
¾	3.6.7.5.3	3.7.5.10.6	3.8.4.3.9	3.9.2.9.0	3.10.1.2.3	3.10.11.7.6	3.11.10.0.9	4.0.8.6.0	4.1.6.11.3	4.2.5.4.6	4.3.3.9.9	4.4.2.3.0
3.6.0	3.6.10.6.0	3.7.9.0.0	3.8.7.6.0	3.9.6.0.0	3.10.4.6.0	3.11.3.0.0	4.0.1.6.0	4.1.0.0.0	4.1.10.6.0	4.2.9.0.0	4.3.7.6.0	4.4.6.0.0
¼	3.7.1.6.9	3.8.0.1.6	3.8.10.8.3	3.9.9.3.0	3.10.7.9.9	3.11.6.4.0	4.0.4.11.3	4.1.3.6.0	4.2.2.0.9	4.3.0.7.6	4.3.11.2.3	4.4.9.9.0
½	3.7.4.7.6	3.8.3.3.0	3.9.1.10.6	3.10.0.6.0	3.10.11.1.6	3.11.9.9.0	4.0.8.4.6	4.1.7.0.0	4.2.5.7.6	4.3.4.3.0	4.4.2.10.6	4.5.1.6.0
¾	3.7.7.8.3	3.8.6.4.6	3.9.5.0.9	3.10.3.9.0	3.11.2.5.3	4.0.1.1.6	4.0.11.9.9	4.1.10.6.0	4.2.9.2.3	4.3.7.10.6	4.4.6.6.9	4.5.5.3.0
3.7.0	3.7.10.9.0	3.8.9.6.0	3.9.8.3.0	3.10.7.0.0	3.11.5.9.0	4.0.4.6.0	4.1.3.3.0	4.2.2.0.0	4.3.0.9.0	4.3.11.6.0	4.4.10.3.0	4.5.9.0.0
¼	3.8.1.9.9	3.9.0.7.6	3.9.11.5.3	3.10.10.3.0	3.11.9.0.9	4.0.7.10.6	4.1.6.8.3	4.2.5.6.0	4.3.4.3.9	4.4.3.1.6	4.5.1.11.3	4.6.0.9.0
½	3.8.4.10.6	3.9.3.9.0	3.10.2.7.6	3.11.1.6.0	4.0.0.4.6	4.0.11.3.0	4.1.10.1.6	4.2.9.0.0	4.3.7.10.6	4.4.6.9.0	4.5.5.7.6	4.6.4.6.0
¾	3.8.7.11.3	3.9.6.10.6	3.10.5.9.9	3.11.4.9.0	4.0.3.8.3	4.1.2.7.6	4.2.1.6.9	4.3.0.6.0	4.3.11.5.3	4.4.10.4.6	4.5.9.3.9	4.6.8.3.0
3.8.0	3.8.11.0.0	3.9.10.0.0	3.10.9.0.0	3.11.8.0.0	4.0.7.0.0	4.1.6.0.0	4.2.5.0.0	4.3.4.0.0	4.4.3.0.0	4.5.2.0.0	4.6.1.0.0	4.7.0.0.0
¼	3.9.2.0.9	3.10.1.1.6	3.11.0.2.3	3.11.11.3.0	4.0.10.3.9	4.1.9.4.6	4.2.8.5.3	4.3.7.6.0	4.4.6.6.9	4.5.5.7.6	4.6.4.8.3	4.7.3.9.0
½	3.9.5.1.6	3.10.4.3.0	3.11.3.4.6	4.0.2.6.0	4.1.1.7.6	4.2.0.9.0	4.2.11.10.6	4.3.11.0.0	4.4.10.1.6	4.5.9.3.0	4.6.8.4.6	4.7.7.6.0
¾	3.9.8.2.3	3.10.7.4.6	3.11.6.6.9	4.0.5.9.0	4.1.4.11.3	4.2.4.1.6	4.3.3.3.9	4.4.2.6.0	4.5.1.8.3	4.6.0.10.6	4.7.0.0.9	4.7.11.3.0
3.9.0	3.9.11.3.0	3.10.10.6.0	3.11.9.9.0	4.0.9.0.0	4.1.8.3.0	4.2.7.6.0	4.3.6.9.0	4.4.6.0.0	4.5.5.3.0	4.6.4.6.0	4.7.3.9.0	4.8.3.0.0
¼	3.10.2.3.9	3.11.1.7.6	4.0.0.11.3	4.1.0.3.0	4.1.11.6.9	4.2.10.10.6	4.3.10.2.3	4.4.9.6.0	4.5.8.9.9	4.6.8.1.6	4.7.7.5.3	4.8.6.9.0
½	3.10.5.4.6	3.11.4.9.0	4.0.4.1.6	4.1.3.6.0	4.2.2.10.6	4.3.2.3.0	4.4.1.7.6	4.5.1.0.0	4.6.0.4.6	4.6.11.9.0	4.7.11.1.6	4.8.10.6.0
¾	3.10.8.5.3	3.11.7.10.6	4.0.7.3.9	4.1.6.9.0	4.2.6.2.3	4.3.5.7.6	4.4.5.0.9	4.5.4.6.0	4.6.3.11.3	4.7.3.4.6	4.8.2.9.9	4.9.2.3.0
3.10.0	3.10.11.6.0	3.11.11.0.0	4.0.10.6.0	4.1.10.0.0	4.2.9.6.0	4.3.9.0.0	4.4.8.6.0	4.5.8.0.0	4.6.7.6.0	4.7.7.0.0	4.8.6.6.0	4.9.6.0.0
¼	3.11.2.6.9	4.0.2.1.6	4.1.1.8.3	4.2.1.3.0	4.3.0.9.9	4.4.0.4.6	4.4.11.11.3	4.5.11.6.0	4.6.11.0.9	4.7.10.7.6	4.8.10.2.3	4.9.9.9.0
½	3.11.5.7.6	4.0.5.3.0	4.1.4.10.6	4.2.4.6.0	4.3.4.1.6	4.4.3.9.0	4.5.3.4.6	4.6.3.0.0	4.7.2.7.6	4.8.2.3.0	4.9.1.10.6	4.10.1.6.0
¾	3.11.8.8.3	4.0.8.4.6	4.1.8.0.9	4.2.7.9.0	4.3.7.5.3	4.4.7.1.6	4.5.6.9.9	4.6.6.6.0	4.7.6.2.3	4.8.5.10.6	4.9.5.6.9	4.10.5.3.0
3.11.0	3.11.11.9.0	4.0.11.6.0	4.1.11.3.0	4.2.11.0.0	4.3.10.9.0	4.4.10.6.0	4.5.10.3.0	4.6.10.0.0	4.7.9.9.0	4.8.9.6.0	4.9.9.3.0	4.10.9.0.0
¼	4.0.2.9.9	4.1.2.7.6	4.2.2.5.3	4.3.2.3.0	4.4.2.0.9	4.5.1.10.6	4.6.1.8.3	4.7.1.6.0	4.8.1.3.9	4.9.1.1.6	4.10.0.11.3	4.11.0.9.0
½	4.0.5.10.6	4.1.5.9.0	4.2.5.7.6	4.3.5.6.0	4.4.5.4.6	4.5.5.3.0	4.6.5.1.6	4.7.5.0.0	4.8.4.10.6	4.9.4.9.0	4.10.4.7.6	4.11.4.6.0
¾	4.0.8.11.3	4.1.8.10.6	4.2.8.9.9	4.3.8.9.0	4.4.8.8.3	4.5.8.7.6	4.6.8.6.9	4.7.8.6.0	4.8.8.5.3	4.9.8.4.6	4.10.8.3.9	4.11.8.3.0
4.0.0	4.1.0.0.0	4.2.0.0.0	4.3.0.0.0	4.4.0.0.0	4.5.0.0.0	4.6.0.0.0	4.7.0.0.0	4.8.0.0.0	4.9.0.0.0	4.10.0.0.0	4.11.0.0.0	5.0.0.0.0
¼	4.1.3.0.9	4.2.3.1.6	4.3.3.2.3	4.4.3.3.0	4.5.3.3.9	4.6.3.4.6	4.7.3.5.3	4.8.3.6.0	4.9.3.6.9	4.10.3.7.6	4.11.3.8.3	5.0.3.9.0
½	4.1.6.1.6	4.2.6.3.0	4.3.6.4.6	4.4.6.6.0	4.5.6.7.6	4.6.6.9.0	4.7.6.10.6	4.8.7.0.0	4.9.7.1.6	4.10.7.3.0	4.11.7.4.6	5.0.7.6.0
¾	4.1.9.2.3	4.2.9.4.6	4.3.9.6.9	4.4.9.9.0	4.5.9.11.3	4.6.10.1.6	4.7.10.3.9	4.8.10.6.0	4.9.10.8.3	4.10.10.10.6	4.11.11.0.9	5.0.11.3.0

A TABLE OF FEET AND INCHES

from 4 foot 1 Inch by 1 foot and 1 quarter of an Inch to 6 Foot 6 inch. & 3 quarters by 1 foot 3 inches

F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	$1.0\frac{1}{4}$	$1.0\frac{1}{2}$	$1.0\frac{3}{4}$	1.1.0	$1.1\frac{1}{4}$	$1.1\frac{1}{2}$	$1.1\frac{3}{4}$	1.2.0	$1.2\frac{1}{4}$	$1.2\frac{1}{2}$	$1.2\frac{3}{4}$	1.3.0
4.1.0	4.2.0.3.0	4.3.0.6.0	4.4.0.9.0	4.5.1.0.0	4.6.1.3.0	4.7.1.6.0	4.8.1.9.0	4.9.2.0.0	4.10.2.3.0	4.11.2.6.0	5.0.2.9.0	5.1.3.0.0
$\frac{1}{4}$	4.2.3.3.9	4.3.3.7.6	4.4.3.11.3	4.5.4.3.0	4.6.4.6.9	4.7.4.10.6	4.8.5.2.3	4.9.5.6.0	4.10.5.9.9	4.11.6.1.6	5.0.6.5.3	5.1.6.9.0
$\frac{1}{2}$	4.2.6.4.6	4.3.6.9.0	4.4.7.1.6	4.5.7.6.0	4.6.7.10.6	4.7.8.3.0	4.8.8.7.6	4.9.9.0.0	4.10.9.4.6	4.11.9.9.0	5.0.10.1.6	5.1.10.6.0
$\frac{3}{4}$	4.2.9.5.3	4.3.9.10.6	4.4.10.3.9	4.5.10.9.0	4.6.11.2.3	4.7.11.7.6	4.9.0.0.9	4.10.0.6.0	4.11.0.11.3	5.0.1.4.6	5.1.1.9.9	5.2.2.3.0
4.2.0	4.3.0.6.0	4.4.1.0.0	4.5.1.6.0	4.6.2.0.0	4.7.2.6.0	4.8.3.0.0	4.9.3.6.0	4.10.4.0.0	4.11.4.6.0	5.0.5.0.0	5.1.5.6.0	5.2.6.0.0
$\frac{1}{4}$	4.3.3.6.9	4.4.4.1.6	4.5.4.8.3	4.6.5.3.0	4.7.5.9.9	4.8.6.4.6	4.9.6.11.3	4.10.7.6.0	4.11.8.0.9	5.0.8.7.6	5.1.9.2.3	5.2.9.9.0
$\frac{1}{2}$	4.3.6.7.6	4.4.7.3.0	4.5.7.10.6	4.6.8.6.0	4.7.9.1.6	4.8.9.9.0	4.9.10.4.6	4.10.11.0.0	4.11.11.7.6	5.1.0.3.0	5.2.0.10.6	5.3.1.6.0
$\frac{3}{4}$	4.3.9.8.3	4.4.10.4.6	4.5.11.0.9	4.6.11.9.0	4.8.0.5.3	4.9.1.1.6	4.10.1.9.9	4.11.2.6.0	5.0.3.2.3	5.1.3.10.6	5.2.4.6.9	5.3.5.3.0
4.3.0	4.4.0.9.0	4.5.1.6.0	4.6.2.3.0	4.7.3.0.0	4.8.3.9.0	4.9.4.6.0	4.10.5.3.0	4.11.6.0.0	5.0.6.9.0	5.1.7.6.0	5.2.8.3.0	5.3.9.0.0
$\frac{1}{4}$	4.4.3.9.9	4.5.4.7.6	4.6.5.5.3	4.7.6.3.0	4.8.7.0.9	4.9.7.10.6	4.10.8.8.3	4.11.9.6.0	5.0.10.3.9	5.1.11.1.6	5.2.11.11.3	5.4.0.9.0
$\frac{1}{2}$	4.4.6.10.6	4.5.7.9.0	4.6.8.7.6	4.7.9.6.0	4.8.10.4.6	4.9.11.3.0	4.11.0.1.6	5.0.1.0.0	5.1.1.10.6	5.2.2.9.0	5.3.3.7.6	5.4.4.6.0
$\frac{3}{4}$	4.4.9.11.3	4.5.10.10.6	4.6.11.9.9	4.8.0.9.0	4.9.1.8.3	4.10.2.7.6	4.11.3.6.9	5.0.4.6.0	5.1.5.5.3	5.2.6.4.6	5.3.7.3.9	5.4.8.3.0
4.4.0	4.5.1.0.0	4.6.2.0.0	4.7.3.0.0	4.8.4.0.0	4.9.5.0.0	4.10.6.0.0	4.11.7.0.0	5.0.8.0.0	5.1.9.0.0	5.2.10.0.0	5.3.11.0.0	5.5.0.0.0
$\frac{1}{4}$	4.5.4.0.9	4.6.5.1.6	4.7.6.2.3	4.8.7.3.0	4.9.8.3.9	4.10.9.4.6	4.11.10.5.3	5.0.11.6.0	5.2.0.6.9	5.3.1.7.6	5.4.2.8.3	5.5.3.9.0
$\frac{1}{2}$	4.5.7.1.6	4.6.8.3.0	4.7.9.4.6	4.8.10.6.0	4.9.11.7.6	4.11.0.9.0	5.0.1.10.6	5.1.3.0.0	5.2.4.1.6	5.3.5.3.0	5.4.6.4.6	5.5.7.6.0
$\frac{3}{4}$	4.5.10.2.3	4.6.11.4.6	4.8.0.6.9	4.9.1.9.0	4.10.2.11.3	4.11.4.1.6	5.0.5.3.9	5.1.6.6.0	5.2.7.8.3	5.3.8.10.6	5.4.10.0.9	5.5.11.3.0
4.5.0	4.6.1.3.0	4.7.2.6.0	4.8.3.9.0	4.9.5.0.0	4.10.6.3.0	4.11.7.6.0	5.0.8.9.0	5.1.10.0.0	5.2.11.3.0	5.4.0.6.0	5.5.1.9.0	5.6.3.0.0
$\frac{1}{4}$	4.6.4.3.9	4.7.5.7.6	4.8.6.11.3	4.9.8.3.0	4.10.9.6.9	4.11.10.10.6	5.1.0.2.3	5.2.1.6.0	5.3.2.9.9	5.4.4.1.6	5.5.5.5.3	5.6.6.9.0
$\frac{1}{2}$	4.6.7.4.6	4.7.8.9.0	4.8.10.1.6	4.9.11.6.0	4.11.0.10.6	5.0.2.3.0	5.1.3.7.6	5.2.5.0.0	5.3.6.4.6	5.4.7.9.0	5.5.9.1.6	5.6.10.6.0
$\frac{3}{4}$	4.6.10.5.3	4.7.11.10.6	4.9.1.3.9	4.10.2.9.0	4.11.4.2.3	5.0.5.7.6	5.1.7.0.9	5.2.8.6.0	5.3.9.11.3	5.4.11.4.6	5.6.0.9.9	5.7.2.3.0
4.6.0	4.7.1.6.0	4.8.3.0.0	4.9.4.6.0	4.10.6.0.0	4.11.7.6.0	5.0.9.0.0	5.1.10.6.0	5.3.0.0.0	5.4.1.6.0	5.5.3.0.0	5.6.4.6.0	5.7.6.0.0
$\frac{1}{4}$	4.7.4.6.9	4.8.6.1.6	4.9.7.8.3	4.10.9.3.0	4.11.10.9.9	5.1.0.4.6	5.2.1.11.3	5.3.3.6.0	5.4.5.0.9	5.5.6.7.6	5.6.8.2.3	5.7.9.9.0
$\frac{1}{2}$	4.7.7.7.6	4.8.9.3.0	4.9.10.10.6	4.11.0.6.0	5.0.2.1.6	5.1.3.9.0	5.2.5.4.6	5.3.7.0.0	5.4.8.7.6	5.5.10.3.0	5.6.11.10.6	5.8.1.6.0
$\frac{3}{4}$	4.7.10.8.3	4.9.0.4.6	4.10.2.0.9	4.11.3.9.0	5.0.5.5.3	5.1.7.1.6	5.2.8.9.9	5.3.10.6.0	5.5.0.2.3	5.6.1.10.6	5.7.3.6.9	5.8.5.3.0
4.7.0	4.8.1.9.0	4.9.3.6.0	4.10.5.3.0	4.11.7.0.0	5.0.8.9.0	5.1.10.6.0	5.3.0.3.0	5.4.2.0.0	5.5.3.9.0	5.6.5.6.0	5.7.7.3.0	5.8.9.0.0
$\frac{1}{4}$	4.8.4.9.9	4.9.6.7.6	4.10.8.5.3	4.11.10.3.0	5.1.0.0.9	5.2.1.10.6	5.3.3.8.3	5.4.5.6.0	5.5.7.3.9	5.6.9.1.6	5.7.10.11.3	5.9.0.9.0
$\frac{1}{2}$	4.8.7.10.6	4.9.9.9.0	4.10.11.7.6	5.0.1.6.0	5.1.3.4.6	5.2.5.3.0	5.3.7.1.6	5.4.9.0.0	5.5.10.10.6	5.7.0.9.0	5.8.2.7.6	5.9.4.6.0
$\frac{3}{4}$	4.8.10.11.3	4.10.0.10.6	4.11.2.9.9	5.0.4.9.0	5.1.6.8.3	5.2.8.7.6	5.3.10.6.9	5.5.0.6.0	5.6.2.5.3	5.7.4.4.6	5.8.6.3.9	5.9.8.3.0
4.8.0	4.9.2.0.0	4.10.4.0.0	4.11.6.0.0	5.0.8.0.0	5.1.10.0.0	5.3.0.0.0	5.4.2.0.0	5.5.4.0.0	5.6.6.0.0	5.7.8.0.0	5.8.10.0.0	5.10.0.0.0
$\frac{1}{4}$	4.9.5.0.9	4.10.7.1.6	4.11.9.2.3	5.0.11.3.0	5.2.1.3.9	5.3.3.4.6	5.4.5.5.3	5.5.7.6.0	5.6.9.6.9	5.7.11.7.6	5.9.1.8.3	5.10.3.9.0
$\frac{1}{2}$	4.9.8.1.6	4.10.10.3.0	5.0.0.4.6	5.1.2.6.0	5.2.4.7.6	5.3.6.9.0	5.4.8.10.6	5.5.11.0.0	5.7.1.1.6	5.8.3.3.0	5.9.5.4.6	5.10.7.6.0
$\frac{3}{4}$	4.9.11.2.3	4.11.1.4.6	5.0.3.6.9	5.1.5.9.0	5.2.7.11.3	5.3.10.1.6	5.5.0.3.9	5.6.2.6.0	5.7.4.8.3	5.8.6.10.6	5.9.9.0.9	5.10.11.3.0
4.9.0	4.10.2.3.0	4.11.4.6.0	5.0.6.9.0	5.1.9.0.0	5.2.11.3.0	5.4.1.6.0	5.5.3.9.0	5.6.6.0.0	5.7.8.3.0	5.8.10.6.0	5.10.0.9.0	5.11.3.0.0
$\frac{1}{4}$	4.10.5.3.9	4.11.7.7.6	5.0.9.11.3	5.2.0.3.0	5.3.2.6.9	5.4.4.10.6	5.5.7.2.3	5.6.9.6.0	5.7.11.9.9	5.9.2.1.6	5.10.4.5.3	5.11.6.9.0
$\frac{1}{2}$	4.10.8.4.6	4.11.10.9.0	5.1.1.1.6	5.2.3.6.0	5.3.5.10.6	5.4.8.3.0	5.5.10.7.6	5.7.1.0.0	5.8.3.4.6	5.9.5.9.0	5.10.8.1.6	5.11.10.6.0
$\frac{3}{4}$	4.10.11.5.3	5.0.1.10.6	5.1.4.3.9	5.2.6.9.0	5.3.9.2.3	5.4.11.7.6	5.6.2.0.9	5.7.4.6.0	5.8.6.11.3	5.9.9.4.6	5.10.11.9.9	6.0.2.3.0
4.10.0	4.11.2.6.0	5.0.5.0.0	5.1.7.6.0	5.2.10.0.0	5.4.0.6.0	5.5.3.0.0	5.6.5.6.0	5.7.8.0.0	5.8.10.6.0	5.10.1.0.0	5.11.3.6.0	6.0.6.0.0
$\frac{1}{4}$	4.11.5.6.9	5.0.8.1.6	5.1.10.8.3	5.3.1.3.0	5.4.3.9.9	5.5.6.4.6	5.6.8.11.3	5.7.11.6.0	5.9.2.0.9	5.10.4.7.6	5.11.7.2.3	6.0.9.9.0
$\frac{1}{2}$	4.11.8.7.6	5.0.11.3.0	5.2.1.10.6	5.3.4.6.0	5.4.7.1.6	5.5.9.9.0	5.7.0.4.6	5.8.3.0.0	5.9.5.7.6	5.10.8.3.0	5.11.10.10.6	6.1.1.6.0
$\frac{3}{4}$	4.11.11.8.3	5.1.2.4.6	5.2.5.0.9	5.3.7.9.0	5.4.10.5.3	5.6.1.1.6	5.7.3.9.9	5.8.6.6.0	5.9.9.2.3	5.10.11.10.6	6.0.2.6.9	6.1.5.3.0
4.11.0	5.0.2.9.0	5.1.5.6.0	5.2.8.3.0	5.3.11.0.0	5.5.1.9.0	5.6.4.6.0	5.7.7.3.0	5.8.10.0.0	5.10.0.9.0	5.11.3.6.0	6.0.6.3.0	6.1.9.0.0
$\frac{1}{4}$	5.0.5.9.9	5.1.8.7.6	5.2.11.5.3	5.4.2.3.0	5.5.5.0.9	5.6.7.10.6	5.7.10.8.3	5.9.1.6.0	5.10.4.3.9	5.11.7.1.6	6.0.9.11.3	6.2.0.9.0
$\frac{1}{2}$	5.0.8.10.6	5.1.11.9.0	5.3.2.7.6	5.4.5.6.0	5.5.8.4.6	5.6.11.3.0	5.8.2.1.6	5.9.5.0.0	5.10.7.10.6	5.11.10.9.0	6.1.1.7.6	6.2.4.6.0
$\frac{3}{4}$	5.0.11.11.3	5.2.2.10.6	5.3.5.9.9	5.4.8.9.0	5.5.11.8.3	5.7.2.7.6	5.8.5.6.9	5.9.8.6.0	5.10.11.5.3	6.0.2.4.6	6.1.5.3.9	6.2.8.3.0
5.0.0	5.1.3.0.0	5.2.6.0.0	5.3.9.0.0	5.5.0.0.0	5.6.3.0.0	5.7.6.0.0	5.8.9.0.0	5.10.0.0.0	5.11.3.0.0	6.0.6.0.0	6.1.9.0.0	6.3.0.0.0
$\frac{1}{4}$	5.1.6.0.9	5.2.9.1.6	5.4.0.2.3	5.5.3.3.0	5.6.6.3.9	5.7.9.4.6	5.9.0.5.3	5.10.3.6.0	5.11.6.6.9	6.0.9.7.6	6.2.0.8.3	6.3.3.9.0
$\frac{1}{2}$	5.1.9.1.6	5.3.0.3.0	5.4.3.4.6	5.5.6.6.0	5.6.9.7.6	5.8.0.9.0	5.9.3.10.6	5.10.7.0.0	5.11.10.1.6	6.1.1.3.0	6.2.4.4.6	6.3.7.6.0
$\frac{3}{4}$	5.2.0.2.3	5.3.3.4.6	5.4.6.6.9	5.5.9.9.0	5.7.0.11.3	5.8.4.1.6	5.9.7.3.9	5.10.10.6.0	6.0.1.8.3	6.1.4.10.6	6.2.8.0.9	6.3.11.3.0
5.1.0	5.2.3.3.0	5.3.6.6.0	5.4.9.9.0	5.6.1.0.0	5.7.4.3.0	5.8.7.6.0	5.9.10.9.0	5.11.2.0.0	6.0.5.3.0	6.1.8.6.0	6.2.11.9.0	6.4.3.0.0
$\frac{1}{4}$	5.2.6.3.9	5.3.9.7.6	5.5.0.11.3	5.6.4.3.0	5.7.7.6.9	5.8.10.10.6	5.10.2.2.3	5.11.5.6.0	6.0.8.9.9	6.2.0.1.6	6.3.3.5.3	6.4.6.9.0
$\frac{1}{2}$	5.2.9.4.6	5.4.0.9.0	5.5.4.1.6	5.6.7.6.0	5.7.10.10.6	5.9.2.3.0	5.10.5.7.6	5.11.9.0.0	6.1.0.4.6	6.2.3.9.0	6.3.7.1.6	6.4.10.6.0
$\frac{3}{4}$	5.3.0.5.3	5.4.3.10.6	5.5.7.3.9	5.6.10.9.0	5.8.2.2.3	5.9.5.7.6	5.10.9.0.9	6.0.0.6.0	6.1.3.11.3	6.2.7.4.6	6.3.10.9.9	6.5.2.3.0
5.2.0	5.3.3.6.0	5.4.7.0.0	5.5.10.6.0	5.7.2.0.0	5.8.5.6.0	5.9.9.0.0	5.11.0.6.0	6.0.4.0.0	6.1.7.6.0	6.2.11.0.0	6.4.2.6.0	6.5.6.0.0
$\frac{1}{4}$	5.3.6.6.9	5.4.10.1.6	5.6.1.8.3	5.7.5.3.0	5.8.8.9.9	5.10.0.4.6	5.11.3.11.3	6.0.7.6.0	6.1.11.0.9	6.3.2.7.6	6.4.6.2.3	6.5.9.9.0
$\frac{1}{2}$	5.3.9.7.6	5.5.1.3.0	5.6.4.10.6	5.7.8.6.0	5.9.0.1.6	5.10.3.9.0	5.11.7.4.6	6.0.11.0.0	6.2.2.7.6	6.3.6.3.0	6.4.9.10.6	6.6.1.6.0
$\frac{3}{4}$	5.4.0.8.3	5.5.4.4.6	5.6.8.0.9	5.7.11.9.0	5.9.3.5.3	5.10.7.1.6	5.11.10.9.9	6.1.2.6.0	6.2.6.2.3	6.3.9.10.6	6.5.1.6.9	6.6.5.3.0
5.3.0	5.4.3.9.0	5.5.7.6.0	5.6.11.3.0	5.8.3.0.0	5.9.6.9.0	5.10.10.6.0	6.0.2.3.0	6.1.6.0.0	6.2.9.9.0	6.4.1.6.0	6.5.5.3.0	6.6.9.0.0
$\frac{1}{4}$	5.4.6.9.9	5.5.10.7.6	5.7.2.5.3	5.8.6.3.0	5.9.10.0.9	5.11.1.10.6	6.0.5.8.3	6.1.9.6.0	6.3.1.3.9	6.4.5.1.6	6.5.8.11.3	6.7.0.9.0
$\frac{1}{2}$	5.4.9.10.6	5.6.1.9.0	5.7.5.7.6	5.8.9.6.0	5.10.1.4.6	5.11.5.3.0	6.0.9.1.6	6.2.1.0.0	6.3.4.10.6	6.4.8.9.0	6.6.0.7.6	6.7.4.6.0
$\frac{3}{4}$	5.5.0.11.3	5.6.4.10.6	5.7.8.9.9	5.9.0.9.0	5.10.4.8.3	5.11.8.7.6	6.1.0.6.9	6.2.4.6.0	6.3.8.5.3	6.5.0.4.6	6.6.4.3.9	6.7.8.3.0
5.4.0	5.5.4.0.0	5.6.8.0.0	5.8.0.0.0	5.9.4.0.0	5.10.8.0.0	6.0.0.0.0	6.1.4.0.0	6.2.8.0.0	6.4.0.0.0	6.5.4.0.0	6.6.8.0.0	6.8.0.0.0
$\frac{1}{4}$	5.5.7.0.9	5.6.11.1.6	5.8.3.2.3	5.9.7.3.0	5.10.11.3.9	6.0.3.4.6	6.1.7.5.3	6.2.11.6.0	6.4.3.6.9	6.5.7.7.6	6.6.11.8.3	6.8.3.9.0
$\frac{1}{2}$	5.5.10.1.6	5.7.2.3.0	5.8.6.4.6	5.9.10.6.0	5.11.2.7.6	6.0.6.9.0	6.1.10.10.6	6.3.3.0.0	6.4.7.1.6	6.5.11.3.0	6.7.3.4.6	6.8.7.6.0
$\frac{3}{4}$	5.6.1.2.3	5.7.5.4.6	5.8.9.6.9	5.10.1.9.0	5.11.5.11.3	6.0.10.1.6	6.2.2.3.9	6.3.6.6.0	6.4.10.8.3	6.6.2.10.6	6.7.7.0.9	6.8.11.3.0
5.5.0	5.6.4.3.0	5.7.8.6.0	5.9.0.9.0	5.10.5.0.0	5.11.9.3.0	6.1.1.6.0	6.2.5.9.0	6.3.10.0.0	6.5.2.3.0	6.6.6.6.0	6.7.10.9.0	6.9.3.0.0
$\frac{1}{4}$	5.6.7.3.9	5.7.11.7.6	5.9.3.11.3	5.10.8.3.0	6.0.0.6.9	6.1.4.10.6	6.2.9.2.3	6.4.1.6.0	6.5.5.9.9	6.6.10.1.6	6.8.2.5.3	6.9.6.9.0
$\frac{1}{2}$	5.6.10.4.6	5.8.2.9.0	5.9.7.1.6	5.10.11.6.0	6.0.3.10.6	6.1.8.3.0	6.3.0.7.6	6.4.5.0.0	6.5.9.4.6	6.7.1.9.0	6.8.6.1.6	6.9.10.6.0
$\frac{3}{4}$	5.7.1.5.3	5.8.5.10.6	5.9.10.3.9	5.11.2.9.0	6.0.7.2.3	6.1.11.7.6	6.3.4.0.9	6.4.8.6.0	6.6.0.11.3	6.7.5.4.6	6.8.9.9.9	6.10.2.3.0
5.6.0	5.7.4.6.0	5.8.9.0.0	5.10.1.6.0	5.11.6.0.0	6.0.10.6.0	6.2.3.0.0	6.3.7.6.0	6.5.0.0.0	6.6.4.6.0	6.7.9.0.0	6.9.1.6.0	6.10.6.0.0
$\frac{1}{4}$	5.7.7.6.9	5.9.0.1.6	5.10.4.8.3	5.11.9.3.0	6.1.1.9.9	6.2.6.4.6	6.3.10.11.3	6.5.3.6.0	6.6.8.0.9	6.8.0.7.6	6.9.5.2.3	6.10.9.9.0
$\frac{1}{2}$	5.7.10.7.6	5.9.3.3.0	5.10.7.10.6	6.0.0.6.0	6.1.5.1.6	6.2.9.9.0	6.4.2.4.6	6.5.7.0.0	6.6.11.7.6	6.8.4.3.0	6.9.8.10.6	6.11.1.6.0
$\frac{3}{4}$	5.8.1.8.3	5.9.6.4.6	5.10.11.0.9	6.0.3.9.0	6.1.8.5.3	6.3.1.1.6	6.4.5.9.9	6.5.10.6.0	6.7.3.2.3	6.8.7.10.6	6.10.0.6.9	6.11.5.3.0
5.7.0	5.8.4.9.0	5.9.9.6.0	5.11.2.3.0	6.0.7.0.0	6.1.11.9.0	6.3.4.6.0	6.4.9.3.0	6.6.2.0.0	6.7.6.9.0	6.8.11.6.0	6.10.4.3.0	6.11.9.0.0
$\frac{1}{4}$	5.8.7.9.9	5.10.0.7.6	5.11.5.5.3	6.0.10.3.0	6.2.3.0.9	6.3.7.10.6	6.5.0.8.3	6.6.5.6.0	6.7.10.3.9	6.9.3.1.6	6.10.7.11.3	7.0.0.9.0
$\frac{1}{2}$	5.8.10.10.6	5.10.3.9.0	5.11.8.7.6	6.1.1.6.0	6.2.6.4.6	6.3.11.3.0	6.5.4.1.6	6.6.9.0.0	6.8.1.10.6	6.9.6.9.0	6.10.11.7.6	7.0.4.6.0
$\frac{3}{4}$	5.9.1.11.3	5.10.6.10.6	5.11.11.9.9	6.1.4.9.0	6.2.9.8.3	6.4.2.7.6	6.5.7.6.9	6.7.0.6.0	6.8.5.5.3	6.9.10.4.6	6.11.3.3.9	7.0.8.3.0
5.8.0	5.9.5.0.0	5.10.10.0.0	6.0.3.0.0	6.1.8.0.0	6.3.1.0.0	6.4.6.0.0	6.5.11.0.0	6.7.4.0.0	6.8.9.0.0	6.10.2.0.0	6.11.7.0.0	7.1.0.0.0
$\frac{1}{4}$	5.9.8.0.9	5.11.1.1.6	6.0.6.2.3	6.1.11.3.0	6.3.4.3.9	6.4.9.4.6	6.6.2.5.3	6.7.7.6.0	6.9.0.6.9	6.10.5.7.6	6.11.10.8.3	7.1.3.9.0
$\frac{1}{2}$	5.9.11.1.6	5.11.4.3.0	6.0.9.4.6	6.2.2.6.0	6.3.7.7.6	6.5.0.9.0	6.6.5.10.6	6.7.11.0.0	6.9.4.1.6	6.10.9.3.0	7.0.2.4.6	7.1.7.6.0
$\frac{3}{4}$	5.10.2.2.3	5.11.7.4.6	6.1.0.6.9	6.2.5.9.0	6.3.10.11.3	6.5.4.1.6	6.6.9.3.9	6.8.2.6.0	6.9.7.8.3	6.11.0.10.6	7.0.6.0.9	7.1.11.3.0
5.9.0	5.10.5.3.0	5.11.10.6.0	6.1.3.9.0	6.2.9.0.0	6.4.2.3.0	6.5.7.6.0	6.7.0.9.0	6.8.6.0.0	6.9.11.3.0	6.11.4.6.0	7.0.9.9.0	7.2.3.0.0
$\frac{1}{4}$	5.10.8.3.9	6.0.1.7.6	6.1.6.11.3	6.3.0.3.0	6.4.5.6.9	6.5.10.10.6	6.7.4.2.3	6.8.9.6.0	6.10.2.9.9	6.11.8.1.6	7.1.1.5.3	7.2.6.9.0
$\frac{1}{2}$	5.10.11.4.6	6.0.4.9.0	6.1.10.1.6	6.3.3.6.0	6.4.8.10.6	6.6.2.3.0	6.7.7.7.6	6.9.1.0.0	6.10.6.4.6	6.11.11.9.0	7.1.5.1.6	7.2.10.6.0
$\frac{3}{4}$	5.11.2.5.3	6.0.7.10.6	6.2.1.3.9	6.3.6.9.0	6.5.0.2.3	6.6.5.7.6	6.7.11.0.9	6.9.4.6.0	6.10.9.11.3	7.0.3.4.6	7.1.8.9.9	7.3.2.3.0
5.10.0	5.11.5.6.0	6.0.11.0.0	6.2.4.6.0	6.3.10.0.0	6.5.3.6.0	6.6.9.0.0	6.8.2.6.0	6.9.8.0.0	6.11.1.6.0	7.0.7.0.0	7.2.0.6.0	7.3.6.0.0
$\frac{1}{4}$	5.11.8.6.9	6.1.2.1.6	6.2.7.8.3	6.4.1.3.0	6.5.6.9.9	6.7.0.4.6	6.8.5.11.3	6.9.11.6.0	6.11.5.0.9	7.0.10.7.6	7.2.4.2.3	7.3.9.9.0
$\frac{1}{2}$	5.11.11.7.6	6.1.5.3.0	6.2.10.10.6	6.4.4.6.0	6.5.10.1.6	6.7.3.9.0	6.8.9.4.6	6.10.3.0.0	6.11.8.7.6	7.1.2.3.0	7.2.7.10.6	7.4.1.6.0
$\frac{3}{4}$	6.0.2.8.3	6.1.8.4.6	6.3.2.0.9	6.4.7.9.0	6.6.1.5.3	6.7.7.1.6	6.9.0.9.9	6.10.6.6.0	7.0.0.2.3	7.1.5.10.6	7.2.11.6.9	7.4.5.3.0
5.11.0	6.0.5.9.0	6.1.11.6.0	6.3.5.3.0	6.4.11.0.0	6.6.4.9.0	6.7.10.6.0	6.9.4.3.0	6.10.10.0.0	7.0.3.9.0	7.1.9.6.0	7.3.3.3.0	7.4.9.0.0
$\frac{1}{4}$	6.0.8.9.9	6.2.2.7.6	6.3.8.5.3	6.5.2.3.0	6.6.8.0.9	6.8.1.10.6	6.9.7.8.3	6.11.1.6.0	7.0.7.3.9	7.2.1.1.6	7.3.6.11.3	7.5.0.9.0
$\frac{1}{2}$	6.0.11.10.6	6.2.5.9.0	6.3.11.7.6	6.5.5.6.0	6.6.11.4.6	6.8.5.3.0	6.9.11.1.6	6.11.5.0.0	7.0.10.10.6	7.2.4.9.0	7.3.10.7.6	7.5.4.6.0
$\frac{3}{4}$	6.1.2.11.3	6.2.8.10.6	6.4.2.9.9	6.5.8.9.0	6.7.2.8.3	6.8.8.7.6	6.10.2.6.9	6.11.8.6.0	7.1.2.5.3	7.2.8.4.6	7.4.2.3.9	7.5.8.3.0
6.0.0	6.1.6.0.0	6.3.0.0.0	6.4.6.0.0	6.6.0.0.0	6.7.6.0.0	6.9.0.0.0	6.10.6.0.0	7.0.0.0.0	7.1.6.0.0	7.3.0.0.0	7.4.6.0.0	7.6.0.0.0
$\frac{1}{4}$	6.1.9.0.9	6.3.3.1.6	6.4.9.2.3	6.6.3.3.0	6.7.9.3.9	6.9.3.4.6	6.10.9.5.3	7.0.3.6.0	7.1.9.6.9	7.3.3.7.6	7.4.9.8.3	7.6.3.9.0
$\frac{1}{2}$	6.2.0.1.6	6.3.6.3.0	6.5.0.4.6	6.6.6.6.0	6.8.0.7.6	6.9.6.9.0	6.11.0.10.6	7.0.7.0.0	7.2.1.1.6	7.3.7.3.0	7.5.1.4.6	7.6.7.6.0
$\frac{3}{4}$	6.2.3.2.3	6.3.9.4.6	6.5.3.6.9	6.6.9.9.0	6.8.3.11.3	6.9.10.1.6	6.11.4.3.9	7.0.10.6.0	7.2.4.8.3	7.3.10.10.6	7.5.5.0.9	7.6.11.3.0
6.1.0	6.2.6.3.0	6.4.0.6.0	6.5.6.9.0	6.7.1.0.0	6.8.7.3.0	6.10.1.6.0	6.11.7.9.0	7.1.2.0.0	7.2.8.3.0	7.4.2.6.0	7.5.8.9.0	7.7.3.0.0
$\frac{1}{4}$	6.2.9.3.9	6.4.3.7.6	6.5.9.11.3	6.7.4.3.0	6.8.10.6.9	6.10.4.10.6	6.11.11.2.3	7.1.5.6.0	7.2.11.9.9	7.4.6.1.6	7.6.0.5.3	7.7.6.9.0
$\frac{1}{2}$	6.3.0.4.6	6.4.6.9.0	6.6.1.1.6	6.7.7.6.0	6.9.1.10.6	6.10.8.3.0	7.0.2.7.6	7.1.9.0.0	7.3.3.4.6	7.4.9.9.0	7.6.4.1.6	7.7.10.6.0
$\frac{3}{4}$	6.3.3.5.3	6.4.9.10.6	6.6.4.3.9	6.7.10.9.0	6.9.5.2.3	6.10.11.7.6	7.0.6.0.9	7.2.0.6.0	7.3.6.11.3	7.5.1.4.6	7.6.7.9.9	7.8.2.3.0
6.2.0	6.3.6.6.0	6.5.1.0.0	6.6.7.6.0	6.8.2.0.0	6.9.8.6.0	6.11.3.0.0	7.0.9.6.0	7.2.4.0.0	7.3.10.6.0	7.5.5.0.0	7.6.11.6.0	7.8.6.0.0
$\frac{1}{4}$	6.3.9.6.9	6.5.4.1.6	6.6.10.8.3	6.8.5.3.0	6.9.11.9.9	6.11.6.4.6	7.1.0.11.3	7.2.7.6.0	7.4.2.0.9	7.5.8.7.6	7.7.3.2.3	7.8.9.9.0
$\frac{1}{2}$	6.4.0.7.6	6.5.7.3.0	6.7.1.10.6	6.8.8.6.0	6.10.3.1.6	6.11.9.9.0	7.1.4.4.6	7.2.11.0.0	7.4.5.7.6	7.6.0.3.0	7.7.6.10.6	7.9.1.6.0
$\frac{3}{4}$	6.4.3.8.3	6.5.10.4.6	6.7.5.0.9	6.8.11.9.0	6.10.6.5.3	7.0.1.1.6	7.1.7.9.9	7.3.2.6.0	7.4.9.2.3	7.6.3.10.6	7.7.10.6.9	7.9.5.3.0
6.3.0	6.4.6.9.0	6.6.1.6.0	6.7.8.3.0	6.9.3.0.0	6.10.9.9.0	7.0.4.6.0	7.1.11.3.0	7.3.6.0.0	7.5.0.9.0	7.6.7.6.0	7.8.2.3.0	7.9.9.0.0
$\frac{1}{4}$	6.4.9.9.9	6.6.4.7.6	6.7.11.5.3	6.9.6.3.0	6.11.1.0.9	7.0.7.10.6	7.2.2.8.3	7.3.9.6.0	7.5.4.3.9	7.6.11.1.6	7.8.5.11.3	7.10.0.9.0
$\frac{1}{2}$	6.5.0.10.6	6.6.7.9.0	6.8.2.7.6	6.9.9.6.0	6.11.4.4.6	7.0.11.3.0	7.2.6.1.6	7.4.1.0.0	7.5.7.10.6	7.7.2.9.0	7.8.9.7.6	7.10.4.6.0
$\frac{3}{4}$	6.5.3.11.3	6.6.10.10.6	6.8.5.9.9	6.10.0.9.0	6.11.7.8.3	7.1.2.7.6	7.2.9.6.9	7.4.4.6.0	7.5.11.5.3	7.7.6.4.6	7.9.1.3.9	7.10.8.3.0
6.4.0	6.5.7.0.0	6.7.2.0.0	6.8.9.0.0	6.10.4.0.0	6.11.11.0.0	7.1.6.0.0	7.3.1.0.0	7.4.8.0.0	7.6.3.0.0	7.7.10.0.0	7.9.5.0.0	7.11.0.0.0
$\frac{1}{4}$	6.5.10.0.9	6.7.5.1.6	6.9.0.2.3	6.10.7.3.0	7.0.2.3.9	7.1.9.4.6	7.3.4.5.3	7.4.11.6.0	7.6.6.6.9	7.8.1.7.6	7.9.8.8.3	7.11.3.9.0
$\frac{1}{2}$	6.6.1.1.6	6.7.8.3.0	6.9.3.4.6	6.10.10.6.0	7.0.5.7.6	7.2.0.9.0	7.3.7.10.6	7.5.3.0.0	7.6.10.1.6	7.8.5.3.0	7.10.0.4.6	7.11.7.6.0
$\frac{3}{4}$	6.6.4.2.3	6.7.11.4.6	6.9.6.6.9	6.11.1.9.0	7.0.8.11.3	7.2.4.1.6	7.3.11.3.9	7.5.6.6.0	7.7.1.8.3	7.8.8.10.6	7.10.4.0.9	7.11.11.3.0
6.5.0	6.6.7.3.0	6.8.2.6.0	6.9.9.9.0	6.11.5.0.0	7.1.0.3.0	7.2.7.6.0	7.4.2.9.0	7.5.10.0.0	7.7.5.3.0	7.9.0.6.0	7.10.7.9.0	8.0.3.0.0
$\frac{1}{4}$	6.6.10.3.9	6.8.5.7.6	6.10.0.11.3	6.11.8.3.0	7.1.3.6.9	7.2.10.10.6	7.4.6.2.3	7.6.1.6.0	7.7.8.9.9	7.9.4.1.6	7.10.11.5.3	8.0.6.9.0
$\frac{1}{2}$	6.7.1.4.6	6.8.8.9.0	6.10.4.1.6	6.11.11.6.0	7.1.6.10.6	7.3.2.3.0	7.4.9.7.6	7.6.5.0.0	7.8.0.4.6	7.9.7.9.0	7.11.3.1.6	8.0.10.6.0
$\frac{3}{4}$	6.7.4.5.3	6.8.11.10.6	6.10.7.3.9	7.0.2.9.0	7.1.10.2.3	7.3.5.7.6	7.5.1.0.9	7.6.8.6.0	7.8.3.11.3	7.9.11.4.6	7.11.6.9.9	8.1.2.3.0
6.6.0	6.7.7.6.0	6.9.3.0.0	6.10.10.6.0	7.0.6.0.0	7.2.1.6.0	7.3.9.0.0	7.5.4.6.0	7.7.0.0.0	7.8.7.6.0	7.10.3.0.0	7.11.10.6.0	8.1.6.0.0
$\frac{1}{4}$	6.7.10.6.9	6.9.6.1.6	6.11.1.8.3	7.0.9.3.0	7.2.4.9.9	7.4.0.4.6	7.5.7.11.3	7.7.3.6.0	7.8.11.0.9	7.10.6.7.6	8.0.2.2.3	8.1.9.9.0
$\frac{1}{2}$	6.8.1.7.6	6.9.9.3.0	6.11.4.10.6	7.1.0.6.0	7.2.8.1.6	7.4.3.9.0	7.5.11.4.6	7.7.7.0.0	7.9.2.7.6	7.10.10.3.0	8.0.5.10.6	8.2.1.6.0
$\frac{3}{4}$	6.8.4.8.3	6.10.0.4.6	6.11.8.0.9	7.1.3.9.0	7.2.11.5.3	7.4.7.1.6	7.6.2.9.9	7.7.10.6.0	7.9.6.2.3	7.11.1.10.6	8.0.9.6.9	8.2.5.3.0

A TABLE OF FEET AND INCHES

from 6 foot 7 inches by 1 foot and 1 quarter of an inch to 9 foot and 3 quarters of an inch by 1 foot 3 inches.

F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	1.0¼	1.0½	1.0¾	1.1.0	1.1¼	1.1½	1.1¾	1.2.0	1.2¼	1.2½	1.2¾	1.3.0
6.7.0	6.8.7.9.0	6.10.3.6.0	6.11.11.3.0	7.1.7.0.0	7.3.2.9.0	7.4.10.6.0	7.6.6.3.0	7.8.2.0.0	7.9.9.9.0	7.11.5.6.0	8.1.1.3.0	8.2.9.0.0
¼	6.8.10.9.9	6.10.6.7.6	7.0.2.3.3	7.1.10.3.0	7.3.6.0.9	7.5.1.10.6	7.6.9.8.3	7.8.5.6.0	7.10.1.3.9	7.11.9.1.6	8.1.4.11.3	8.3.0.9.0
½	6.9.1.10.6	6.10.9.9.0	7.0.5.7.6	7.2.1.6.0	7.3.9.4.6	7.5.5.3.0	7.7.1.1.6	7.8.9.0.0	7.10.4.10.6	8.0.0.9.0	8.1.8.7.6	8.3.4.6.0
¾	6.9.4.11.3	6.11.0.10.6	7.0.8.9.0	7.2.4.9.0	7.4.0.8.3	7.5.8.7.6	7.7.4.6.9	7.9.0.6.0	7.10.8.5.3	8.0.4.4.6	8.2.0.3.9	8.3.8.3.0
6.8.0	6.9.8.0.0	6.11.4.0.0	7.1.0.0.0	7.2.8.0.0	7.4.4.0.0	7.6.0.0.0	7.7.8.0.0	7.9.4.0.0	7.11.0.0.0	8.0.8.0.0	8.2.4.0.0	8.4.0.0.0
¼	6.9.11.0.9	6.11.7.1.6	7.1.3.2.3	7.2.11.3.0	7.4.7.3.9	7.6.3.4.6	7.7.11.5.3	7.9.7.6.0	7.11.3.6.9	8.0.11.7.0	8.2.7.8.3	8.4.3.9.0
½	6.10.2.1.6	6.11.10.3.0	7.1.6.4.6	7.3.2.6.0	7.4.10.7.6	7.6.6.9.0	7.8.3.10.6	7.9.11.0.0	7.11.7.1.6	8.1.3.3.0	8.2.11.4.6	8.4.7.6.0
¾	6.10.5.2.3	7.0.1.4.6	7.1.9.6.9	7.3.5.9.0	7.5.1.11.3	7.6.10.1.6	7.8.6.3.9	7.10.2.6.0	7.11.10.8.3	8.1.6.10.6	8.3.3.0.9	8.4.11.3.0
6.9.0	6.10.8.3.0	7.0.4.6.0	7.2.0.9.0	7.3.9.0.0	7.5.5.3.0	7.7.1.6.0	7.8.9.9.0	7.10.6.0.0	8.0.2.3.0	8.1.10.6.0	8.3.6.9.0	8.5.3.0.0
¼	6.10.11.3.9	7.0.7.7.6	7.2.3.11.3	7.4.0.3.0	7.5.8.6.9	7.7.4.10.6	7.9.1.2.3	7.10.9.6.0	8.0.5.9.9	8.2.2.1.6	8.3.10.5.3	8.5.6.9.0
½	6.11.2.4.6	7.0.10.9.0	7.2.7.1.6	7.4.3.6.0	7.5.11.10.6	7.7.8.3.0	7.9.4.7.6	7.11.1.0.0	8.0.9.4.6	8.2.5.9.0	8.4.2.1.6	8.5.10.6.0
¾	6.11.5.5.3	7.1.1.10.6	7.2.10.3.9	7.4.6.9.0	7.6.3.2.3	7.7.11.7.6	7.9.8.0.9	7.11.4.6.0	8.1.0.11.3	8.2.9.4.6	8.4.5.9.9	8.6.2.3.0
6.10.0	6.11.8.6.0	7.1.5.0.0	7.3.1.6.0	7.4.10.0.0	7.6.6.6.0	7.8.3.0.0	7.9.11.6.0	7.11.8.0.0	8.1.4.6.0	8.3.1.0.0	8.4.9.6.0	8.6.6.0.0
¼	6.11.11.6.9	7.1.8.1.6	7.3.4.8.3	7.5.1.3.0	7.6.9.9.9	7.8.6.4.6	7.10.2.11.3	7.11.11.6.0	8.1.8.0.9	8.3.4.7.6	8.5.1.2.3	8.6.9.9.0
½	7.0.2.7.6	7.1.11.3.0	7.3.7.10.6	7.5.4.6.0	7.7.1.1.6	7.8.9.9.0	7.10.6.4.6	8.0.3.0.0	8.1.11.7.6	8.3.8.3.0	8.5.4.10.6	8.7.1.6.0
¾	7.0.5.8.3	7.2.2.4.6	7.3.11.0.9	7.5.7.9.0	7.7.4.5.3	7.9.1.1.6	7.10.9.9.9	8.0.6.6.0	8.2.3.2.3	8.3.11.10.6	8.5.8.6.9	8.7.5.3.0
6.11.0	7.0.8.9.0	7.2.5.6.0	7.4.2.3.0	7.5.11.0.0	7.7.7.9.0	7.9.4.6.0	7.11.1.3.0	8.0.10.0.0	8.2.6.9.0	8.4.3.6.0	8.6.0.3.0	8.7.9.0.0
¼	7.0.11.9.9	7.2.8.7.6	7.4.5.5.3	7.6.2.3.0	7.7.11.0.9	7.9.7.10.6	7.11.4.8.3	8.1.1.6.0	8.2.10.3.9	8.4.7.1.6	8.6.3.11.3	8.8.0.9.0
½	7.1.2.10.6	7.2.11.9.0	7.4.8.7.6	7.6.5.6.0	7.8.2.4.6	7.9.11.3.0	7.11.8.1.6	8.1.5.0.0	8.3.1.10.6	8.4.10.9.0	8.6.7.7.6	8.8.4.6.0
¾	7.1.5.11.3	7.3.2.10.6	7.4.11.9.9	7.6.8.9.0	7.8.5.8.3	7.10.2.7.6	7.11.11.6.9	8.1.8.6.0	8.3.5.5.3	8.5.2.4.6	8.6.11.3.9	8.8.8.3.0
7.0.0	7.1.9.0.0	7.3.6.0.0	7.5.3.0.0	7.7.0.0.0	7.8.9.0.0	7.10.6.0.0	8.0.3.0.0	8.2.0.0.0	8.3.9.0.0	8.5.6.0.0	8.7.3.0.0	8.9.0.0.0
¼	7.2.0.0.9	7.3.9.1.6	7.5.6.2.3	7.7.3.3.0	7.9.0.3.9	7.10.9.4.6	8.0.6.5.3	8.2.3.6.0	8.4.0.6.9	8.5.9.7.6	8.7.6.8.3	8.9.3.9.0
½	7.2.3.1.6	7.4.0.3.0	7.5.9.4.6	7.7.6.6.0	7.9.3.7.6	7.11.0.9.0	8.0.9.10.6	8.2.7.0.0	8.4.4.1.6	8.6.1.3.0	8.7.10.4.6	8.9.7.6.0
¾	7.2.6.2.3	7.4.3.4.6	7.6.0.6.9	7.7.9.9.0	7.9.6.11.3	7.11.4.1.6	8.1.1.3.9	8.2.10.6.0	8.4.7.8.3	8.6.4.10.6	8.8.2.0.9	8.9.11.3.0
7.1.0	7.2.9.3.0	7.4.6.6.0	7.6.3.9.0	7.8.1.0.0	7.9.10.3.0	7.11.7.6.0	8.1.4.9.0	8.3.2.0.0	8.4.11.3.0	8.6.8.6.0	8.8.5.9.0	8.10.3.0.0
¼	7.3.0.3.9	7.4.9.7.6	7.6.6.11.3	7.8.4.3.0	7.10.1.6.9	7.11.10.10.6	8.1.8.2.3	8.3.5.6.0	8.5.2.9.9	8.7.0.1.6	8.8.9.5.3	8.10.6.9.0
½	7.3.3.4.6	7.5.0.9.0	7.6.10.1.6	7.8.7.6.0	7.10.4.10.6	8.0.2.3.0	8.1.11.7.6	8.3.9.0.0	8.5.6.4.6	8.7.3.9.0	8.9.1.1.6	8.10.10.6.0
¾	7.3.6.5.3	7.5.3.10.6	7.7.1.3.9	7.8.10.9.0	7.10.8.2.3	8.0.5.7.6	8.2.3.0.9	8.4.0.6.0	8.5.9.11.3	8.7.7.4.6	8.9.4.9.9	8.11.2.3.0
7.2.0	7.3.9.6.0	7.5.7.0.0	7.7.4.6.0	7.9.2.0.0	7.10.11.6.0	8.0.9.0.0	8.2.6.6.0	8.4.4.0.0	8.6.1.6.0	8.7.11.0.0	8.9.8.6.0	8.11.6.0.0
¼	7.4.0.6.9	7.5.10.1.6	7.7.7.8.3	7.9.5.3.0	7.11.2.9.9	8.1.0.4.6	8.2.9.11.3	8.4.7.6.0	8.6.5.0.9	8.8.2.7.6	8.10.0.2.3	8.11.9.9.0
½	7.4.3.7.6	7.6.1.3.0	7.7.10.10.6	7.9.8.6.0	7.11.6.1.6	8.1.3.9.0	8.3.1.4.6	8.4.11.0.0	8.6.8.7.6	8.8.6.3.0	8.10.3.10.6	9.0.1.6.0
¾	7.4.6.8.3	7.6.4.4.6	7.8.2.0.9	7.9.11.9.0	7.11.9.5.3	8.1.7.1.6	8.3.4.9.9	8.5.2.6.0	8.7.0.2.3	8.8.9.10.6	8.10.7.6.9	9.0.5.3.0
7.3.0	7.4.9.9.0	7.6.7.6.0	7.8.5.3.0	7.10.3.0.0	8.0.0.9.0	8.1.10.6.0	8.3.8.3.0	8.5.6.0.0	8.7.3.9.0	8.9.1.6.0	8.10.11.3.0	9.0.9.0.0
¼	7.5.0.9.9	7.6.10.7.6	7.8.8.5.3	7.10.6.3.0	8.0.4.0.9	8.2.1.10.6	8.3.11.8.3	8.5.9.6.0	8.7.7.3.9	8.9.5.1.6	8.11.2.11.3	9.1.0.9.0
½	7.5.3.10.6	7.7.1.9.0	7.8.11.7.6	7.10.9.6.0	8.0.7.4.6	8.2.5.3.0	8.4.3.1.6	8.6.1.0.0	8.7.10.10.6	8.9.8.9.0	8.11.6.7.6	9.1.4.6.0
¾	7.5.6.11.3	7.7.4.10.6	7.9.2.9.9	7.11.0.9.0	8.0.10.8.3	8.2.8.7.6	8.4.6.6.9	8.6.4.6.0	8.8.2.5.3	8.10.0.4.6	8.11.10.3.9	9.1.8.3.0
7.4.0	7.5.10.0.0	7.7.8.0.0	7.9.6.0.0	7.11.4.0.0	8.1.2.0.0	8.3.0.0.0	8.4.10.0.0	8.6.8.0.0	8.8.6.0.0	8.10.4.0.0	9.0.2.0.0	9.2.0.0.0
¼	7.6.1.0.9	7.7.11.1.6	7.9.9.2.3	7.11.7.3.0	8.1.5.3.9	8.3.3.4.6	8.5.1.5.3	8.6.11.6.0	8.8.9.6.9	8.10.7.7.6	9.0.5.8.3	9.2.3.9.0
½	7.6.4.1.6	7.8.2.3.0	7.10.0.4.6	7.11.10.6.0	8.1.8.7.6	8.3.6.9.0	8.5.4.10.6	8.7.3.0.0	8.9.1.1.6	8.10.11.3.0	9.0.9.4.6	9.2.7.6.0
¾	7.6.7.2.3	7.8.5.4.6	7.10.3.6.9	8.0.1.9.0	8.1.11.11.3	8.3.10.1.6	8.5.8.3.9	8.7.6.6.0	8.9.4.8.3	8.11.2.10.6	9.1.1.0.9	9.2.11.3.0
7.5.0	7.6.10.3.0	7.8.8.6.0	7.10.6.9.0	8.0.5.0.0	8.2.3.3.0	8.4.1.6.0	8.5.11.9.0	8.7.10.0.0	8.9.8.3.0	8.11.6.6.0	9.1.4.9.0	9.3.3.0.0
¼	7.7.1.3.9	7.8.11.7.6	7.10.9.11.3	8.0.8.3.0	8.2.6.6.9	8.4.4.10.6	8.6.3.2.3	8.8.1.6.0	8.9.11.9.9	8.11.10.1.6	9.1.8.5.3	9.3.6.9.0
½	7.7.4.4.6	7.9.2.9.0	7.11.1.1.6	8.0.11.6.0	8.2.9.10.6	8.4.8.3.0	8.6.6.7.6	8.8.5.0.0	8.10.3.4.6	9.0.1.9.0	9.2.0.1.6	9.3.10.6.0
¾	7.7.7.5.3	7.9.5.10.6	7.11.4.3.9	8.1.2.9.0	8.3.1.2.3	8.4.11.7.6	8.6.10.0.9	8.8.8.6.0	8.10.6.11.3	9.0.5.4.6	9.2.3.9.9	9.4.2.3.0
7.6.0	7.7.10.6.0	7.9.9.0.0	7.11.7.6.0	8.1.6.0.0	8.3.4.6.0	8.5.3.0.0	8.7.1.6.0	8.9.0.0.0	8.10.10.6.0	9.0.9.0.0	9.2.7.6.0	9.4.6.0.0
¼	7.8.1.6.9	7.10.0.1.6	7.11.10.8.3	8.1.9.3.0	8.3.7.9.9	8.5.6.4.6	8.7.4.11.3	8.9.3.6.0	8.11.2.0.9	9.1.0.7.6	9.2.11.2.3	9.4.9.9.0
½	7.8.4.7.6	7.10.3.3.0	8.0.1.10.6	8.2.0.6.0	8.3.11.1.6	8.5.9.9.0	8.7.8.4.6	8.9.7.0.0	8.11.5.7.6	9.1.4.3.0	9.3.2.10.6	9.5.1.6.0
¾	7.8.7.8.3	7.10.6.4.6	8.0.5.0.9	8.2.3.9.0	8.4.2.5.3	8.6.1.1.6	8.7.11.9.9	8.9.10.6.0	8.11.9.2.3	9.1.7.10.6	9.3.6.6.9	9.5.5.3.0
7.7.0	7.8.10.9.0	7.10.9.6.0	8.0.8.3.0	8.2.7.0.0	8.4.5.9.0	8.6.4.6.0	8.8.3.3.0	8.10.2.0.0	9.0.0.9.0	9.1.11.6.0	9.3.10.3.0	9.5.9.0.0
¼	7.9.1.9.9	7.11.0.7.6	8.0.11.5.3	8.2.10.3.0	8.4.9.0.9	8.6.7.10.6	8.8.6.8.3	8.10.5.6.0	9.0.4.3.9	9.2.3.1.6	9.4.1.11.3	9.6.0.9.0
½	7.9.4.10.6	7.11.3.9.0	8.1.2.7.6	8.3.1.6.0	8.5.0.4.6	8.6.11.3.0	8.8.10.1.6	8.10.9.0.0	9.0.7.10.6	9.2.6.9.0	9.4.5.7.6	9.6.4.6.0
¾	7.9.7.11.3	7.11.6.10.6	8.1.5.9.9	8.3.4.9.0	8.5.3.8.3	8.7.2.7.6	8.9.1.6.9	8.11.0.6.0	9.0.11.5.3	9.2.10.4.6	9.4.9.3.9	9.6.8.3.0
7.8.0	7.9.11.0.0	7.11.10.0.0	8.1.9.0.0	8.3.8.0.0	8.5.7.0.0	8.7.6.0.0	8.9.5.0.0	8.11.4.0.0	9.1.3.0.0	9.3.2.0.0	9.5.1.0.0	9.7.0.0.0
¼	7.10.2.0.9	8.0.1.1.6	8.2.0.2.3	8.3.11.3.0	8.5.10.3.9	8.7.9.4.6	8.9.8.5.3	8.11.7.6.0	9.1.6.6.9	9.3.5.7.6	9.5.4.8.3	9.7.3.9.0
½	7.10.5.1.6	8.0.4.3.0	8.2.3.4.6	8.4.2.6.0	8.6.1.7.6	8.8.0.9.0	8.9.11.10.6	8.11.11.0.0	9.1.10.1.6	9.3.9.3.0	9.5.8.4.6	9.7.7.6.0
¾	7.10.8.2.3	8.0.7.4.6	8.2.6.6.9	8.4.5.9.0	8.6.4.11.3	8.8.4.1.6	8.10.3.3.9	9.0.2.6.0	9.2.1.8.3	9.4.0.10.6	9.6.0.0.9	9.7.11.3.0
7.9.0	7.10.11.3.0	8.0.10.6.0	8.2.9.9.0	8.4.9.0.0	8.6.8.3.0	8.8.7.6.0	8.10.6.9.0	9.0.6.0.0	9.2.5.3.0	9.4.4.6.0	9.6.3.9.0	9.8.3.0.0
¼	7.11.2.3.9	8.1.1.7.6	8.3.0.11.3	8.5.0.3.0	8.6.11.6.9	8.8.10.10.6	8.10.10.2.3	9.0.9.6.0	9.2.8.9.9	9.4.8.1.6	9.6.7.5.3	9.8.6.9.0
½	7.11.5.4.6	8.1.4.9.0	8.3.4.1.6	8.5.3.6.0	8.7.2.10.6	8.9.2.3.0	8.11.1.7.6	9.1.1.0.0	9.3.0.4.6	9.4.11.9.0	9.6.11.1.6	9.8.10.6.0
¾	7.11.8.5.3	8.1.7.10.6	8.3.7.3.9	8.5.6.9.0	8.7.6.2.3	8.9.5.7.6	8.11.5.0.9	9.1.4.6.0	9.3.3.11.3	9.5.3.4.6	9.7.2.9.9	9.9.2.3.0
7.10.0	7.11.11.6.0	8.1.11.0.0	8.3.10.6.0	8.5.10.0.0	8.7.9.6.0	8.9.9.0.0	8.11.8.6.0	9.1.8.0.0	9.3.7.6.0	9.5.7.0.0	9.7.6.6.0	9.9.6.0.0
¼	8.0.2.6.9	8.2.2.1.6	8.4.1.8.3	8.6.1.3.0	8.8.0.9.9	8.10.0.4.6	8.11.11.11.3	9.1.11.6.0	9.3.11.0.9	9.5.10.7.6	9.7.10.2.3	9.9.9.9.0
½	8.0.5.7.6	8.2.5.3.0	8.4.4.10.6	8.6.4.6.0	8.8.4.1.6	8.10.3.9.0	9.0.3.4.6	9.2.3.0.0	9.4.2.7.6	9.6.2.3.0	9.8.1.10.6	9.10.1.6.0
¾	8.0.8.8.3	8.2.8.4.6	8.4.8.0.9	8.6.7.9.0	8.8.7.5.3	8.10.7.1.6	9.0.6.9.9	9.2.6.6.0	9.4.6.2.3	9.6.5.10.6	9.8.5.6.9	9.10.5.3.0
7.11.0	8.0.11.9.0	8.2.11.6.0	8.4.11.3.0	8.6.11.0.0	8.8.10.9.0	8.10.10.6.0	9.0.10.3.0	9.2.10.0.0	9.4.9.9.0	9.6.9.6.0	9.8.9.3.0	9.10.9.0.0
¼	8.1.2.9.9	8.3.2.7.6	8.5.2.5.3	8.7.2.3.0	8.9.2.0.9	8.11.1.10.6	9.1.1.8.3	9.3.1.6.0	9.5.1.3.9	9.7.1.1.6	9.9.0.11.3	9.11.0.9.0
½	8.1.5.10.6	8.3.5.9.0	8.5.5.7.6	8.7.5.6.0	8.9.5.4.6	8.11.5.3.0	9.1.5.1.6	9.3.5.0.0	9.5.4.10.6	9.7.4.9.0	9.9.4.7.6	9.11.4.6.0
¾	8.1.8.11.3	8.3.8.10.6	8.5.8.9.9	8.7.8.9.0	8.9.8.8.3	8.11.8.7.6	9.1.8.6.9	9.3.8.6.0	9.5.8.5.3	9.7.8.4.6	9.9.8.3.9	9.11.8.3.0
8.0.0	8.2.0.0.0	8.4.0.0.0	8.6.0.0.0	8.8.0.0.0	8.10.0.0.0	9.0.0.0.0	9.2.0.0.0	9.4.0.0.0	9.6.0.0.0	9.8.0.0.0	9.10.0.0.0	10.0.0.0.0
¼	8.2.3.0.9	8.4.3.1.6	8.6.3.2.3	8.8.3.3.0	8.10.3.3.9	9.0.3.4.6	9.2.3.5.3	9.4.3.6.0	9.6.3.6.9	9.8.3.7.6	9.10.3.8.3	10.0.3.9.0
½	8.2.6.1.6	8.4.6.3.0	8.6.6.4.6	8.8.6.6.0	8.10.6.7.6	9.0.6.9.0	9.2.6.10.6	9.4.7.0.0	9.6.7.1.6	9.8.7.3.0	9.10.7.4.6	10.0.7.6.0
¾	8.2.9.2.3	8.4.9.4.6	8.6.9.6.9	8.8.9.9.0	8.10.9.11.3	9.0.10.1.6	9.2.10.3.9	9.4.10.6.0	9.6.10.8.3	9.8.10.10.6	9.10.11.0.9	10.0.11.3.0
8.1.0	8.3.0.3.0	8.5.0.6.0	8.7.0.9.0	8.9.1.0.0	8.11.1.3.0	9.1.1.6.0	9.3.1.9.0	9.5.2.0.0	9.7.2.3.0	9.9.2.6.0	9.11.2.9.0	10.1.3.0.0
¼	8.3.3.3.9	8.5.3.7.6	8.7.3.11.3	8.9.4.3.0	8.11.4.6.9	9.1.4.10.6	9.3.5.2.3	9.5.5.6.0	9.7.5.9.9	9.9.6.1.6	9.11.6.5.3	10.1.6.9.0
½	8.3.6.4.6	8.5.6.9.0	8.7.7.1.6	8.9.7.6.0	8.11.7.10.6	9.1.8.3.0	9.3.8.7.6	9.5.9.0.0	9.7.9.4.6	9.9.9.9.0	9.11.10.1.6	10.1.10.6.0
¾	8.3.9.5.3	8.5.9.10.6	8.7.10.3.9	8.9.10.9.0	8.11.11.2.3	9.1.11.7.6	9.4.0.0.9	9.6.0.6.0	9.8.0.11.3	9.10.1.4.6	10.0.1.9.9	10.2.2.3.0
8.2.0	8.4.0.6.0	8.6.1.0.0	8.8.1.6.0	8.10.2.0.0	9.0.2.6.0	9.2.3.0.0	9.4.3.6.0	9.6.4.0.0	9.8.4.6.0	9.10.5.0.0	10.0.5.6.0	10.2.6.0.0
¼	8.4.3.6.9	8.6.4.1.6	8.8.4.8.3	8.10.5.3.0	9.0.5.9.9	9.2.6.4.6	9.4.6.11.3	9.6.7.6.0	9.8.8.0.9	9.10.8.7.6	10.0.9.2.3	10.2.9.9.0
½	8.4.6.7.6	8.6.7.3.0	8.8.7.10.6	8.10.8.6.0	9.0.9.1.6	9.2.9.9.0	9.4.10.4.6	9.6.11.0.0	9.8.11.7.6	9.11.0.3.0	10.1.0.10.6	10.3.1.6.0
¾	8.4.9.8.3	8.6.10.4.6	8.8.11.0.9	8.10.11.9.0	9.1.0.5.3	9.3.1.1.6	9.5.1.9.9	9.7.2.6.0	9.9.3.2.3	9.11.3.10.6	10.1.4.6.9	10.3.5.3.0
8.3.0	8.5.0.9.0	8.7.1.6.0	8.9.2.3.0	8.11.3.0.0	9.1.3.9.0	9.3.4.6.0	9.5.5.3.0	9.7.6.0.0	9.9.6.9.0	9.11.7.6.0	10.1.8.3.0	10.3.9.0.0
¼	8.5.3.9.9	8.7.4.7.6	8.9.5.5.3	8.11.6.3.0	9.1.7.0.9	9.3.7.10.6	9.5.8.8.3	9.7.9.6.0	9.9.10.3.9	9.11.11.1.6	10.1.11.11.3	10.4.0.9.0
½	8.5.6.10.6	8.7.7.9.0	8.9.8.7.6	8.11.9.6.0	9.1.10.4.6	9.3.11.3.0	9.6.0.1.6	9.8.1.0.0	9.10.1.10.6	10.0.2.9.0	10.2.3.7.6	10.4.4.6.0
¾	8.5.9.11.3	8.7.10.10.6	8.9.11.9.9	9.0.0.9.0	9.2.1.8.3	9.4.2.7.6	9.6.3.6.9	9.8.4.6.0	9.10.5.5.3	10.0.6.4.6	10.2.7.3.9	10.4.8.3.0
8.4.0	8.6.1.0.0	8.8.2.0.0	8.10.3.0.0	9.0.4.0.0	9.2.5.0.0	9.4.6.0.0	9.6.7.0.0	9.8.8.0.0	9.10.9.0.0	10.0.10.0.0	10.2.11.0.0	10.5.0.0.0
¼	8.6.4.0.9	8.8.5.1.6	8.10.6.2.3	9.0.7.3.0	9.2.8.3.9	9.4.9.4.6	9.6.10.5.3	9.8.11.6.0	9.11.0.6.9	10.1.1.7.6	10.3.2.8.3	10.5.3.9.0
½	8.6.7.1.6	8.8.8.3.0	8.10.9.4.6	9.0.10.6.0	9.2.11.7.6	9.5.0.9.0	9.7.1.10.6	9.9.3.0.0	9.11.4.1.6	10.1.5.3.0	10.3.6.4.6	10.5.7.6.0
¾	8.6.10.2.3	8.8.11.4.6	8.11.0.6.9	9.1.1.9.0	9.3.2.11.3	9.5.4.1.6	9.7.5.3.9	9.9.6.6.0	9.11.7.8.3	10.1.8.10.6	10.3.10.0.9	10.5.11.3.0
8.5.0	8.7.1.3.0	8.9.2.6.0	8.11.3.9.0	9.1.5.0.0	9.3.6.3.0	9.5.7.6.0	9.7.8.9.0	9.9.10.0.0	9.11.11.3.0	10.2.0.6.0	10.4.1.9.0	10.6.3.0.0
¼	8.7.4.3.9	8.9.5.7.6	8.11.6.11.3	9.1.8.3.0	9.3.9.6.9	9.5.10.10.6	9.8.0.2.3	9.10.1.6.0	10.0.2.9.9	10.2.4.1.6	10.4.5.5.3	10.6.6.9.0
½	8.7.7.4.6	8.9.8.9.0	8.11.10.1.6	9.1.11.6.0	9.4.0.10.6	9.6.2.3.0	9.8.3.7.6	9.10.5.0.0	10.0.6.4.6	10.2.7.9.0	10.4.9.1.6	10.6.10.6.0
¾	8.7.10.5.3	8.9.11.10.6	9.0.1.3.9	9.2.2.9.0	9.4.4.2.3	9.6.5.7.6	9.8.7.0.9	9.10.8.6.0	10.0.9.11.3	10.2.11.4.6	10.5.0.9.9	10.7.2.3.0
8.6.0	8.8.1.6.0	8.10.3.0.0	9.0.4.6.0	9.2.6.0.0	9.4.7.6.0	9.6.9.0.0	9.8.10.6.0	9.11.0.0.0	10.1.1.6.0	10.3.3.0.0	10.5.4.6.0	10.7.6.0.0
¼	8.8.4.6.9	8.10.6.1.6	9.0.7.8.3	9.2.9.3.0	9.4.10.9.9	9.7.0.4.6	9.9.1.11.3	9.11.3.6.0	10.1.5.0.9	10.3.6.7.6	10.5.8.2.3	10.7.9.9.0
½	8.8.7.7.6	8.10.9.3.0	9.0.10.10.6	9.3.0.6.0	9.5.2.1.6	9.7.3.9.0	9.9.5.4.6	9.11.7.0.0	10.1.8.7.6	10.3.10.3.0	10.5.11.10.6	10.8.1.6.0
¾	8.8.10.8.3	8.11.0.4.6	9.1.2.0.9	9.3.3.9.0	9.5.5.5.3	9.7.7.1.6	9.9.8.9.9	9.11.10.6.0	10.2.0.2.3	10.4.1.10.6	10.6.3.6.9	10.8.5.3.0
8.7.0	8.9.1.9.0	8.11.3.6.0	9.1.5.3.0	9.3.7.0.0	9.5.8.9.0	9.7.10.6.0	9.10.0.3.0	10.0.2.0.0	10.2.3.9.0	10.4.5.6.0	10.6.7.3.0	10.8.9.0.0
¼	8.9.4.9.9	8.11.6.7.6	9.1.8.5.3	9.3.10.3.0	9.6.0.0.9	9.8.1.10.6	9.10.3.8.3	10.0.5.6.0	10.2.7.3.9	10.4.9.1.6	10.6.10.11.3	10.9.0.9.0
½	8.9.7.10.6	8.11.9.9.0	9.1.11.7.6	9.4.1.6.0	9.6.3.4.6	9.8.5.3.0	9.10.7.1.6	10.0.9.0.0	10.2.10.10.6	10.5.0.9.0	10.7.2.7.6	10.9.4.6.0
¾	8.9.10.11.3	9.0.0.10.6	9.2.2.9.9	9.4.4.9.0	9.6.6.8.3	9.8.8.7.6	9.10.10.6.9	10.1.0.6.0	10.3.2.5.3	10.5.4.4.6	10.7.6.3.9	10.9.8.3.0
8.8.0	8.10.2.0.0	9.0.4.0.0	9.2.6.0.0	9.4.8.0.0	9.6.10.0.0	9.9.0.0.0	9.11.2.0.0	10.1.4.0.0	10.3.6.0.0	10.5.8.0.0	10.7.10.0.0	10.10.0.0.0
¼	8.10.5.0.9	9.0.7.1.6	9.2.9.2.3	9.4.11.3.0	9.7.1.3.9	9.9.3.4.6	9.11.5.5.3	10.1.7.6.0	10.3.9.6.9	10.5.11.7.6	10.8.1.8.3	10.10.3.9.0
½	8.10.8.1.6	9.0.10.3.0	9.3.0.4.6	9.5.2.6.0	9.7.4.7.6	9.9.6.9.0	9.11.8.10.6	10.1.11.0.0	10.4.1.1.6	10.6.3.3.0	10.8.5.4.6	10.10.7.6.0
¾	8.10.11.2.3	9.1.1.4.6	9.3.3.6.9	9.5.5.9.0	9.7.7.11.3	9.9.10.1.6	10.0.0.3.9	10.2.2.6.0	10.4.4.8.3	10.6.6.10.6	10.8.9.0.9	10.10.11.3.0
8.9.0	8.11.2.3.0	9.1.4.6.0	9.3.6.9.0	9.5.9.0.0	9.7.11.3.0	9.10.1.6.0	10.0.3.9.0	10.2.6.0.0	10.4.8.3.0	10.6.10.6.0	10.9.0.9.0	10.11.3.0.0
¼	8.11.5.3.9	9.1.7.7.6	9.3.9.11.3	9.6.0.3.0	9.8.2.6.9	9.10.4.10.6	10.0.7.2.3	10.2.9.6.0	10.4.11.9.9	10.7.2.1.6	10.9.4.5.3	10.11.6.9.0
½	8.11.8.4.6	9.1.10.9.0	9.4.1.1.6	9.6.3.6.0	9.8.5.10.6	9.10.8.3.0	10.0.10.7.6	10.3.1.0.0	10.5.3.4.6	10.7.5.9.0	10.9.8.1.6	10.11.10.6.0
¾	9.0.11.5.3	9.2.1.10.6	9.4.4.3.9	9.6.6.9.0	9.8.9.2.3	9.10.11.7.6	10.1.2.0.9	10.3.4.6.0	10.5.6.11.3	10.7.9.4.6	10.9.11.9.9	11.0.2.3.0
8.10.0	9.0.2.6.0	9.2.5.0.0	9.4.7.6.0	9.6.10.0.0	9.9.0.6.0	9.11.3.0.0	10.1.5.6.0	10.3.8.0.0	10.5.10.6.0	10.8.1.0.0	10.10.3.6.0	11.0.6.0.0
¼	9.0.5.6.9	9.2.8.1.6	9.4.10.8.3	9.7.1.3.0	9.9.3.9.9	9.11.6.4.6	10.1.8.11.3	10.3.11.6.0	10.6.2.0.9	10.8.4.7.6	10.10.7.2.3	11.0.9.9.0
½	9.0.8.7.6	9.2.11.3.0	9.5.1.10.6	9.7.4.6.0	9.9.7.1.6	9.11.9.9.0	10.2.0.4.6	10.4.3.0.0	10.6.5.7.6	10.8.8.3.0	10.10.10.10.6	11.1.1.6.0
¾	9.0.11.8.3	9.3.2.4.6	9.5.5.0.9	9.7.7.9.0	9.9.10.5.3	10.0.1.1.6	10.2.3.9.9	10.4.6.6.0	10.6.9.2.3	10.8.11.10.6	10.11.2.6.9	11.1.5.3.0
8.11.0	9.1.2.9.0	9.3.5.6.0	9.5.8.3.0	9.7.11.0.0	9.10.1.9.0	10.0.4.6.0	10.2.7.3.0	10.4.10.0.0	10.7.0.9.0	10.9.3.6.0	10.11.6.3.0	11.1.9.0.0
¼	9.1.5.9.9	9.3.8.7.6	9.5.11.5.3	9.8.2.3.0	9.10.5.0.9	10.0.7.10.6	10.2.10.8.3	10.5.1.6.0	10.7.4.3.9	10.9.7.1.6	10.11.9.11.3	11.2.0.9.0
½	9.1.8.10.6	9.3.11.9.0	9.6.2.7.6	9.8.5.6.0	9.10.8.4.6	10.0.11.3.0	10.3.2.1.6	10.5.5.0.0	10.7.7.10.6	10.9.10.9.0	11.0.1.7.6	11.2.4.6.0
¾	9.1.11.11.3	9.4.2.10.6	9.6.5.9.9	9.8.8.9.0	9.10.11.8.3	10.1.2.7.6	10.3.5.6.9	10.5.8.6.0	10.7.11.5.3	10.10.2.4.6	11.0.5.3.9	11.2.8.3.0
9.0.0	9.2.3.0.0	9.4.6.0.0	9.6.9.0.0	9.9.0.0.0	9.11.3.0.0	10.1.6.0.0	10.3.9.0.0	10.6.0.0.0	10.8.3.0.0	10.10.6.0.0	11.0.9.0.0	11.3.0.0.0
¼	9.2.6.0.9	9.4.9.1.6	9.7.0.2.3	9.9.3.3.0	9.11.6.3.9	10.1.9.4.6	10.4.0.5.3	10.6.3.6.0	10.8.6.6.9	10.10.9.7.6	11.1.0.8.3	11.3.3.9.0
½	9.2.9.1.6	9.5.0.3.0	9.7.3.4.6	9.9.6.6.0	9.11.9.7.6	10.2.0.9.0	10.4.3.10.6	10.6.7.0.0	10.8.10.1.6	10.11.1.3.0	11.1.4.4.6	11.3.7.6.0
¾	9.3.0.2.3	9.5.3.4.6	9.7.6.6.9	9.9.9.9.0	10.0.0.11.3	10.2.4.1.6	10.4.7.3.9	10.6.10.6.0	10.9.1.8.3	10.11.4.10.6	11.1.8.0.9	11.3.11.3.0

A TABLE OF FEET AND INCHES

from 9 foot 1 Inch by 1 foot and 1 quarter of an inch to 11 foot 6 inches and 3 quarter by 1 foot 3 inches.

F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	1.0¼	1.0½	1.0¾	1.1.0	1.1¼	1.1½	1.1¾	1.2.0	1.2¼	1.2½	1.2¾	1.3.0
9.1.0	9.3.3.3.0	9.5.6.6.0	9.7.9.9.0	9.10.1.0.0	10.0.4.3.0	10.2.7.6.0	10.4.10.9.0	10.7.2.0.0	10.9.5.3.0	10.11.8.6.0	11.1.11.9.0	11.4.3.0.0
¼	9.3.6.3.0	9.5.9.7.0	9.8.0.11.3	9.10.4.3.0	10.0.7.6.9	10.2.10.10.6	10.5.2.2.3	10.7.5.6.0	10.9.8.9.9	11.0.0.1.6	11.2.3.5.3	11.4.6.9.0
½	9.3.9.4.0	9.6.0.9.0	9.8.4.1.0	9.10.7.6.0	10.0.10.10.6	10.3.2.3.0	10.5.5.7.6	10.7.9.0.0	10.10.0.4.6	11.0.3.9.0	11.2.7.1.6	11.4.10.6.0
¾	9.4.0.5.3	9.6.3.10.6	9.8.7.3.0	9.10.10.9.0	10.1.2.2.3	10.3.5.7.6	10.5.9.0.9	10.8.0.6.0	10.10.3.11.3	11.0.7.4.6	11.2.10.9.9	11.5.2.3.0
9.2.0	9.4.3.6.0	9.6.7.0.0	9.8.10.6.0	9.11.2.0.0	10.1.5.6.0	10.3.9.0.0	10.6.0.6.0	10.8.4.0.0	10.10.7.6.0	11.0.11.0.0	11.3.2.6.0	11.5.6.0.0
¼	9.4.6.6.9	9.6.10.1.6	9.9.1.8.3	9.11.5.3.0	10.1.8.9.9	10.4.0.4.6	10.6.3.11.3	10.8.7.6.0	10.10.11.0.9	11.1.2.7.6	11.3.6.2.3	11.5.9.9.0
½	9.4.9.7.6	9.7.1.3.0	9.9.4.10.6	9.11.8.6.0	10.2.0.1.6	10.4.3.9.0	10.6.7.4.6	10.8.11.0.0	10.11.2.7.6	11.1.6.3.0	11.3.9.10.6	11.6.1.6.0
¾	9.5.0.8.3	9.7.4.4.6	9.9.8.0.9	9.11.11.9.0	10.2.3.5.3	10.4.7.1.6	10.6.10.9.9	10.9.2.6.0	10.11.6.2.3	11.1.9.10.6	11.4.1.6.9	11.6.5.3.0
9.3.0	9.5.3.9.0	9.7.7.6.0	9.9.11.3.0	10.0.3.0.0	10.2.6.9.0	10.4.10.6.0	10.7.2.3.0	10.9.6.0.0	10.11.9.9.0	11.2.1.6.0	11.4.5.3.0	11.6.9.0.0
¼	9.5.6.9.9	9.7.10.7.6	9.10.2.5.3	10.0.6.3.0	10.2.10.0.9	10.5.1.10.6	10.7.5.8.3	10.9.9.6.0	11.0.1.3.9	11.2.5.1.6	11.4.8.11.3	11.7.0.9.0
½	9.5.9.10.6	9.8.1.9.0	9.10.5.7.6	10.0.9.6.0	10.3.1.4.6	10.5.5.3.0	10.7.9.1.6	10.10.1.0.0	11.0.4.10.6	11.2.8.9.0	11.5.0.7.6	11.7.4.6.0
¾	9.6.0.11.3	9.8.4.10.6	9.10.8.9.9	10.1.0.9.0	10.3.4.8.3	10.5.8.7.6	10.8.0.6.9	10.10.4.6.0	11.0.8.5.3	11.3.0.4.6	11.5.4.3.9	11.7.8.3.0
9.4.0	9.6.4.0.0	9.8.8.0.0	9.11.0.0.0	10.1.4.0.0	10.3.8.0.0	10.6.0.0.0	10.8.4.0.0	10.10.8.0.0	11.1.0.0.0	11.3.4.0.0	11.5.8.0.0	11.8.0.0.0
¼	9.6.7.0.9	9.8.11.1.6	9.11.3.2.3	10.1.7.3.0	10.3.11.3.9	10.6.3.4.6	10.8.7.5.3	10.10.11.6.0	11.1.3.6.9	11.3.7.7.6	11.5.11.8.3	11.8.3.9.0
½	9.6.10.1.6	9.9.2.3.0	9.11.6.4.6	10.1.10.6.0	10.4.2.7.6	10.6.6.9.0	10.8.10.10.6	10.11.3.0.0	11.1.7.1.6	11.3.11.3.0	11.6.3.4.6	11.8.7.6.0
¾	9.7.1.2.3	9.9.5.4.6	9.11.9.6.9	10.2.1.9.0	10.4.5.11.3	10.6.10.1.6	10.9.2.3.9	10.11.6.6.0	11.1.10.8.3	11.4.2.10.6	11.6.7.0.9	11.8.11.3.0
9.5.0	9.7.4.3.0	9.9.8.6.0	10.0.0.9.0	10.2.5.0.0	10.4.9.3.0	10.7.1.6.0	10.9.5.9.0	10.11.10.0.0	11.2.2.3.0	11.4.6.6.0	11.6.10.9.0	11.9.3.0.0
¼	9.7.7.3.9	9.9.11.7.6	10.0.3.11.3	10.2.8.3.0	10.5.0.6.9	10.7.4.10.6	10.9.9.2.3	11.0.1.6.0	11.2.5.9.9	11.4.10.1.6	11.7.2.5.3	11.9.6.9.0
½	9.7.10.4.6	9.10.2.9.0	10.0.7.1.6	10.2.11.6.0	10.5.3.10.6	10.7.8.3.0	10.10.0.7.6	11.0.5.0.0	11.2.9.4.6	11.5.1.9.0	11.7.6.1.6	11.9.10.6.0
¾	9.8.1.5.3	9.10.5.10.6	10.0.10.3.9	10.3.2.9.0	10.5.7.2.3	10.7.11.7.6	10.10.4.0.9	11.0.8.6.0	11.3.0.11.3	11.5.5.4.6	11.7.9.9.9	11.10.2.3.0
9.6.0	9.8.4.6.0	9.10.9.0.0	10.1.1.6.0	10.3.6.0.0	10.5.10.6.0	10.8.3.0.0	10.10.7.6.0	11.1.0.0.0	11.3.4.6.0	11.5.9.0.0	11.8.1.6.0	11.10.6.0.0
¼	9.8.7.6.9	9.11.0.1.6	10.1.4.8.3	10.3.9.3.0	10.6.1.9.9	10.8.6.4.6	10.10.10.11.3	11.1.3.6.0	11.3.8.0.9	11.6.0.7.6	11.8.5.2.3	11.10.9.9.0
½	9.8.10.7.6	9.11.3.3.0	10.1.7.10.6	10.4.0.6.0	10.6.5.1.6	10.8.9.9.0	10.11.2.4.6	11.1.7.0.0	11.3.11.7.6	11.6.4.3.0	11.8.8.10.6	11.11.1.6.0
¾	9.9.1.8.3	9.11.6.4.6	10.1.11.0.9	10.4.3.9.0	10.6.8.5.3	10.9.1.1.6	10.11.5.9.9	11.1.10.6.0	11.4.3.2.3	11.6.7.10.6	11.9.0.6.9	11.11.5.3.0
9.7.0	9.9.4.9.0	9.11.9.6.0	10.2.2.3.0	10.4.7.0.0	10.6.11.9.0	10.9.4.6.0	10.11.9.3.0	11.2.2.0.0	11.4.6.9.0	11.6.11.6.0	11.9.4.3.0	11.11.9.0.0
¼	9.9.7.9.9	10.0.0.7.6	10.2.5.5.3	10.4.10.3.0	10.7.3.0.9	10.9.7.10.6	11.0.0.8.3	11.2.5.6.0	11.4.10.3.9	11.7.3.1.6	11.9.7.11.3	12.0.0.9.0
½	9.9.10.10.6	10.0.3.9.0	10.2.8.7.6	10.5.1.6.0	10.7.6.4.6	10.9.11.3.0	11.0.4.1.6	11.2.9.0.0	11.5.1.10.6	11.7.6.9.0	11.9.11.7.6	12.0.4.6.0
¾	9.10.1.11.3	10.0.6.10.6	10.2.11.9.9	10.5.4.9.0	10.7.9.8.3	10.10.2.7.6	11.0.7.6.9	11.3.0.6.0	11.5.5.5.3	11.7.10.4.6	11.10.3.3.9	12.0.8.3.0
9.8.0	9.10.5.0.0	10.0.10.0.0	10.3.3.0.0	10.5.8.0.0	10.8.1.0.0	10.10.6.0.0	11.0.11.0.0	11.3.4.0.0	11.5.9.0.0	11.8.2.0.0	11.10.7.0.0	12.1.0.0.0
¼	9.10.8.0.9	10.1.1.1.6	10.3.6.2.3	10.5.11.3.0	10.8.4.3.9	10.10.9.4.6	11.1.2.5.3	11.3.7.6.0	11.6.0.6.9	11.8.5.7.6	11.10.10.8.3	12.1.3.9.0
½	9.10.11.1.6	10.1.4.3.0	10.3.9.4.6	10.6.2.6.0	10.8.7.7.6	10.11.0.9.0	11.1.5.10.6	11.3.11.0.0	11.6.4.1.6	11.8.9.3.0	11.11.2.4.6	12.1.7.6.0
¾	9.11.2.2.3	10.1.7.4.6	10.4.0.6.9	10.6.5.9.0	10.8.10.11.3	10.11.4.1.6	11.1.9.3.9	11.4.2.6.0	11.6.7.8.3	11.9.0.10.6	11.11.6.0.9	12.1.11.3.0
9.9.0	9.11.5.3.0	10.1.10.6.0	10.4.3.9.0	10.6.9.0.0	10.9.2.3.0	10.11.7.6.0	11.2.0.9.0	11.4.6.0.0	11.6.11.3.0	11.9.4.6.0	11.11.9.9.0	12.2.3.0.0
¼	9.11.8.3.9	10.2.1.7.6	10.4.6.11.3	10.7.0.3.0	10.9.5.6.9	10.11.10.10.6	11.2.4.2.3	11.4.9.6.0	11.7.2.9.9	11.9.8.1.6	12.0.1.5.3	12.2.6.9.0
½	9.11.11.4.6	10.2.4.9.0	10.4.10.1.6	10.7.3.6.0	10.9.8.10.6	11.0.2.3.0	11.2.7.7.6	11.5.1.0.0	11.7.6.4.6	11.9.11.9.0	12.0.5.1.6	12.2.10.6.0
¾	10.0.2.5.3	10.2.7.10.6	10.5.1.3.9	10.7.6.9.0	10.10.0.2.3	11.0.5.7.6	11.2.11.0.9	11.5.4.6.0	11.7.9.11.3	11.10.3.4.6	12.0.8.9.9	12.3.2.3.0
9.10.0	10.0.5.6.0	10.2.11.0.0	10.5.4.6.0	10.7.10.0.0	10.10.3.6.0	11.0.9.0.0	11.3.2.6.0	11.5.8.0.0	11.8.1.6.0	11.10.7.0.0	12.1.0.6.0	12.3.6.0.0
¼	10.0.8.6.9	10.3.2.1.6	10.5.7.8.3	10.8.1.3.0	10.10.6.9.9	11.1.0.4.6	11.3.5.11.3	11.5.11.6.0	11.8.5.0.9	11.10.10.7.6	12.1.4.2.3	12.3.9.9.0
½	10.0.11.7.6	10.3.5.3.0	10.5.10.10.6	10.8.4.6.0	10.10.10.1.6	11.1.3.9.0	11.3.9.4.6	11.6.3.0.0	11.8.8.7.6	11.11.2.3.0	12.1.7.10.6	12.4.1.6.0
¾	10.1.2.8.3	10.3.8.4.6	10.6.2.0.9	10.8.7.9.0	10.11.1.5.3	11.1.7.1.6	11.4.0.9.9	11.6.6.6.0	11.9.0.2.3	11.11.5.10.6	12.1.11.6.9	12.4.5.3.0
9.11.0	10.1.5.9.0	10.3.11.6.0	10.6.5.3.0	10.8.11.0.0	10.11.4.9.0	11.1.10.6.0	11.4.4.3.0	11.6.10.0.0	11.9.3.9.0	11.11.9.6.0	12.2.3.3.0	12.4.9.0.0
¼	10.1.8.9.9	10.4.2.7.6	10.6.8.5.3	10.9.2.3.0	10.11.8.0.9	11.2.1.10.6	11.4.7.8.3	11.7.1.6.0	11.9.7.3.9	12.0.1.1.6	12.2.6.11.3	12.5.0.9.0
½	10.1.11.10.6	10.4.5.9.0	10.6.11.7.6	10.9.5.6.0	10.11.11.4.6	11.2.5.3.0	11.4.11.1.6	11.7.5.0.0	11.9.10.10.6	12.0.4.9.0	12.2.10.7.6	12.5.4.6.0
¾	10.2.2.11.3	10.4.8.10.6	10.7.2.9.9	10.9.8.9.0	11.0.2.8.3	11.2.8.7.6	11.5.2.6.9	11.7.8.6.0	11.10.2.5.3	12.0.8.4.6	12.3.2.3.9	12.5.8.3.0
10.0.0	10.2.6.0.0	10.5.0.0.0	10.7.6.0.0	10.10.0.0.0	11.0.6.0.0	11.3.0.0.0	11.5.6.0.0	11.8.0.0.0	11.10.6.0.0	12.1.0.0.0	12.3.6.0.0	12.6.0.0.0
¼	10.2.9.0.9	10.5.3.1.6	10.7.9.2.3	10.10.3.3.0	11.0.9.3.9	11.3.3.4.6	11.5.9.5.3	11.8.3.6.0	11.10.9.6.9	12.1.3.7.6	12.3.9.8.3	12.6.3.9.0
½	10.3.0.1.6	10.5.6.3.0	10.8.0.4.6	10.10.6.6.0	11.1.0.7.6	11.3.6.9.0	11.6.0.10.6	11.8.7.0.0	11.11.1.1.6	12.1.7.3.0	12.4.1.4.6	12.6.7.6.0
¾	10.3.3.2.3	10.5.9.4.6	10.8.3.6.9	10.10.9.9.0	11.1.3.11.3	11.3.10.1.6	11.6.4.3.9	11.8.10.6.0	11.11.4.8.3	12.1.10.10.6	12.4.5.0.9	12.6.11.3.0
10.1.0	10.3.6.3.0	10.6.0.6.0	10.8.6.9.0	10.11.1.0.0	11.1.7.3.0	11.4.1.6.0	11.6.7.9.0	11.9.2.0.0	11.11.8.3.0	12.2.2.6.0	12.4.8.9.0	12.7.3.0.0
¼	10.3.9.3.9	10.6.3.7.6	10.8.9.11.3	10.11.4.3.0	11.1.10.6.9	11.4.4.10.6	11.6.11.2.3	11.9.5.6.0	11.11.11.9.9	12.2.6.1.6	12.5.0.5.3	12.7.6.9.0
½	10.4.0.4.6	10.6.6.9.0	10.9.1.1.6	10.11.7.6.0	11.2.1.10.6	11.4.8.3.0	11.7.2.7.6	11.9.9.0.0	12.0.3.4.6	12.2.9.9.0	12.5.4.1.6	12.7.10.6.0
¾	10.4.3.5.3	10.6.9.10.6	10.9.4.3.9	10.11.10.9.0	11.2.5.2.3	11.4.11.7.6	11.7.6.0.9	11.10.0.6.0	12.0.6.11.3	12.3.1.4.6	12.5.7.9.9	12.8.2.3.0
10.2.0	10.4.6.6.0	10.7.1.0.0	10.9.7.6.0	11.0.2.0.0	11.2.8.6.0	11.5.3.0.0	11.7.9.6.0	11.10.4.0.0	12.0.10.6.0	12.3.5.0.0	12.5.11.6.0	12.8.6.0.0
¼	10.4.9.6.9	10.7.4.1.6	10.9.10.8.3	11.0.5.3.0	11.2.11.9.9	11.5.6.4.6	11.8.0.11.3	11.10.7.6.0	12.1.2.0.9	12.3.8.7.6	12.6.3.2.3	12.8.9.9.0
½	10.5.0.7.6	10.7.7.3.0	10.10.1.10.6	11.0.8.6.0	11.3.3.1.6	11.5.9.9.0	11.8.4.4.6	11.10.11.0.0	12.1.5.7.6	12.4.0.3.0	12.6.6.10.6	12.9.1.6.0
¾	10.5.3.8.3	10.7.10.4.6	10.10.5.0.9	11.0.11.9.0	11.3.6.5.3	11.6.1.1.6	11.8.7.9.9	11.11.2.6.0	12.1.9.2.3	12.4.3.10.6	12.6.10.6.9	12.9.5.3.0
10.3.0	10.5.6.9.0	10.8.1.6.0	10.10.8.3.0	11.1.3.0.0	11.3.9.9.0	11.6.4.6.0	11.8.11.3.0	11.11.6.0.0	12.2.0.9.0	12.4.7.6.0	12.7.2.3.0	12.9.9.0.0
¼	10.5.9.9.9	10.8.4.7.6	10.10.11.5.3	11.1.6.3.0	11.4.1.0.9	11.6.7.10.6	11.9.2.8.3	11.11.9.6.0	12.2.4.3.9	12.4.11.1.6	12.7.5.11.3	12.10.0.9.0
½	10.6.0.10.6	10.8.7.9.0	10.11.2.7.6	11.1.9.6.0	11.4.4.4.6	11.6.11.3.0	11.9.6.1.6	12.0.1.0.0	12.2.7.10.6	12.5.2.9.0	12.7.9.7.6	12.10.4.6.0
¾	10.6.3.11.3	10.8.10.10.6	10.11.5.9.9	11.2.0.9.0	11.4.7.8.3	11.7.2.7.6	11.9.9.6.9	12.0.4.6.0	12.2.11.5.3	12.5.6.4.6	12.8.1.3.9	12.10.8.3.0
10.4.0	10.6.7.0.0	10.9.2.0.0	10.11.9.0.0	11.2.4.0.0	11.4.11.0.0	11.7.6.0.0	11.10.1.0.0	12.0.8.0.0	12.3.3.0.0	12.5.10.0.0	12.8.5.0.0	12.11.0.0.0
¼	10.6.10.0.9	10.9.5.1.6	11.0.0.2.3	11.2.7.3.0	11.5.2.3.9	11.7.9.4.6	11.10.4.5.3	12.0.11.6.0	12.3.6.6.9	12.6.1.7.6	12.8.8.8.3	12.11.3.9.0
½	10.7.1.1.6	10.9.8.3.0	11.0.3.4.6	11.2.10.6.0	11.5.5.7.6	11.8.0.9.0	11.10.7.10.6	12.1.3.0.0	12.3.10.1.6	12.6.5.3.0	12.9.0.4.6	12.11.7.6.0
¾	10.7.4.2.3	10.9.11.4.6	11.0.6.6.9	11.3.1.9.0	11.5.8.11.3	11.8.4.1.6	11.10.11.3.9	12.1.6.6.0	12.4.1.8.3	12.6.8.10.6	12.9.4.0.9	12.11.11.3.0
10.5.0	10.7.7.3.0	10.10.2.6.0	11.0.9.9.0	11.3.5.0.0	11.6.0.3.0	11.8.7.6.0	11.11.2.9.0	12.1.10.0.0	12.4.5.3.0	12.7.0.6.0	12.9.7.9.0	13.0.3.0.0
¼	10.7.10.3.9	10.10.5.7.6	11.1.0.11.3	11.3.8.3.0	11.6.3.6.9	11.8.10.10.6	11.11.6.2.3	12.2.1.6.0	12.4.8.9.9	12.7.4.1.6	12.9.11.5.3	13.0.6.9.0
½	10.8.1.4.6	10.10.8.9.0	11.1.4.1.6	11.3.11.6.0	11.6.6.10.6	11.9.2.3.0	11.11.9.7.6	12.2.5.0.0	12.5.0.4.6	12.7.7.9.0	12.10.3.1.6	13.0.10.6.0
¾	10.8.4.5.3	10.10.11.10.6	11.1.7.3.9	11.4.2.9.0	11.6.10.2.3	11.9.5.7.6	12.0.1.0.9	12.2.8.6.0	12.5.3.11.3	12.7.11.4.6	12.10.6.9.9	13.1.2.3.0
10.6.0	10.8.7.6.0	10.11.3.0.0	11.1.10.6.0	11.4.6.0.0	11.7.1.6.0	11.9.9.0.0	12.0.4.6.0	12.3.0.0.0	12.5.7.6.0	12.8.3.0.0	12.10.10.6.0	13.1.6.0.0
¼	10.8.10.6.9	10.11.6.1.6	11.2.1.8.3	11.4.9.3.0	11.7.4.9.9	11.10.0.4.6	12.0.7.11.3	12.3.3.6.0	12.5.11.0.9	12.8.6.7.6	12.11.2.2.3	13.1.9.9.0
½	10.9.1.7.6	10.11.9.3.0	11.2.4.10.6	11.5.0.6.0	11.7.8.1.6	11.10.3.9.0	12.0.11.4.6	12.3.7.0.0	12.6.2.7.6	12.8.10.3.0	12.11.5.10.6	13.2.1.6.0
¾	10.9.4.8.3	11.0.0.4.6	11.2.8.0.9	11.5.3.9.0	11.7.11.5.3	11.10.7.1.6	12.1.2.9.9	12.3.10.6.0	12.6.6.2.3	12.9.1.10.6	12.11.9.6.9	13.2.5.3.0
10.7.0	10.9.7.9.0	11.0.3.6.0	11.2.11.3.0	11.5.7.0.0	11.8.2.9.0	11.10.10.6.0	12.1.6.3.0	12.4.2.0.0	12.6.9.9.0	12.9.5.6.0	13.0.1.3.0	13.2.9.0.0
¼	10.9.10.9.9	11.0.6.7.6	11.3.2.5.3	11.5.10.3.0	11.8.6.0.9	11.11.1.10.6	12.1.9.8.3	12.4.5.6.0	12.7.1.3.9	12.9.9.1.6	13.0.4.11.3	13.3.0.9.0
½	10.10.1.10.6	11.0.9.9.0	11.3.5.7.6	11.6.1.6.0	11.8.9.4.6	11.11.5.3.0	12.2.1.1.6	12.4.9.0.0	12.7.4.10.6	12.10.0.9.0	13.0.8.7.6	13.3.4.6.0
¾	10.10.4.11.3	11.1.0.10.6	11.3.8.9.9	11.6.4.9.0	11.9.0.8.3	11.11.8.7.6	12.2.4.6.9	12.5.0.6.0	12.7.8.5.3	12.10.4.4.6	13.1.0.3.9	13.3.8.3.0
10.8.0	10.10.8.0.0	11.1.4.0.0	11.4.0.0.0	11.6.8.0.0	11.9.4.0.0	12.0.0.0.0	12.2.8.0.0	12.5.4.0.0	12.8.0.0.0	12.10.8.0.0	13.1.4.0.0	13.4.0.0.0
¼	10.10.11.0.9	11.1.7.1.6	11.4.3.2.3	11.6.11.3.0	11.9.7.3.9	12.0.3.4.6	12.2.11.5.3	12.5.7.6.0	12.8.3.6.9	12.10.11.7.6	13.1.7.8.3	13.4.3.9.0
½	10.11.2.1.6	11.1.10.3.0	11.4.6.4.6	11.7.2.6.0	11.9.10.7.6	12.0.6.9.0	12.3.2.10.6	12.5.11.0.0	12.8.7.1.6	12.11.3.3.0	13.1.11.4.6	13.4.7.6.0
¾	10.11.5.2.3	11.2.1.4.6	11.4.9.6.9	11.7.5.9.0	11.10.1.11.3	12.0.10.1.6	12.3.6.3.9	12.6.2.6.0	12.8.10.8.3	12.11.6.10.6	13.2.3.0.9	13.4.11.3.0
10.9.0	10.11.8.3.0	11.2.4.6.0	11.5.0.9.0	11.7.9.0.0	11.10.5.3.0	12.1.1.6.0	12.3.9.9.0	12.6.6.0.0	12.9.2.3.0	12.11.10.6.0	13.2.6.9.0	13.5.3.0.0
¼	10.11.11.3.9	11.2.7.7.6	11.5.3.11.3	11.8.0.3.0	11.10.8.6.9	12.1.4.10.6	12.4.1.2.3	12.6.9.6.0	12.9.5.9.9	13.0.2.1.6	13.2.10.5.3	13.5.6.9.0
½	11.0.2.4.6	11.2.10.9.0	11.5.7.1.6	11.8.3.6.0	11.10.11.10.6	12.1.8.3.0	12.4.4.7.6	12.7.1.0.0	12.9.9.4.6	13.0.5.9.0	13.3.2.1.6	13.5.10.6.0
¾	11.0.5.5.3	11.3.1.10.6	11.5.10.3.9	11.8.6.9.0	11.11.3.2.3	12.1.11.7.6	12.4.8.0.9	12.7.4.6.0	12.10.0.11.3	13.0.9.4.6	13.3.5.9.9	13.6.2.3.0
10.10.0	11.0.8.6.0	11.3.5.0.0	11.6.1.6.0	11.8.10.0.0	11.11.6.6.0	12.2.3.0.0	12.4.11.6.0	12.7.8.0.0	12.10.4.6.0	13.1.1.0.0	13.3.9.6.0	13.6.6.0.0
¼	11.0.11.6.9	11.3.8.1.6	11.6.4.8.3	11.9.1.3.0	11.11.9.9.9	12.2.6.4.6	12.5.2.11.3	12.7.11.6.0	12.10.8.0.9	13.1.4.7.6	13.4.1.2.3	13.6.9.9.0
½	11.1.2.7.6	11.3.11.3.0	11.6.7.10.6	11.9.4.6.0	12.0.1.1.6	12.2.9.9.0	12.5.6.4.6	12.8.3.0.0	12.10.11.7.6	13.1.8.3.0	13.4.4.10.6	13.7.1.6.0
¾	11.1.5.8.3	11.4.2.4.6	11.6.11.0.9	11.9.7.9.0	12.0.4.5.3	12.3.1.1.6	12.5.9.9.9	12.8.6.6.0	12.11.3.2.3	13.1.11.10.6	13.4.8.6.9	13.7.5.3.0
10.11.0	11.1.8.9.0	11.4.5.6.0	11.7.2.3.0	11.9.11.0.0	12.0.7.9.0	12.3.4.6.0	12.6.1.3.0	12.8.10.0.0	12.11.6.9.0	13.2.3.6.0	13.5.0.3.0	13.7.9.0.0
¼	11.1.11.9.9	11.4.8.7.6	11.7.5.5.3	11.10.2.3.0	12.0.11.0.9	12.3.7.10.6	12.6.4.8.3	12.9.1.6.0	12.11.10.3.9	13.2.7.1.6	13.5.3.11.3	13.8.0.9.0
½	11.2.2.10.6	11.4.11.9.0	11.7.8.7.6	11.10.5.6.0	12.1.2.4.6	12.3.11.3.0	12.6.8.1.6	12.9.5.0.0	13.0.1.10.6	13.2.10.9.0	13.5.7.7.6	13.8.4.6.0
¾	11.2.5.11.3	11.5.2.10.6	11.7.11.9.9	11.10.8.9.0	12.1.5.8.3	12.4.2.7.6	12.6.11.6.9	12.9.8.6.0	13.0.5.5.3	13.3.2.4.6	13.5.11.3.9	13.8.8.3.0
11.0.0	11.2.9.0.0	11.5.6.0.0	11.8.3.0.0	11.11.0.0.0	12.1.9.0.0	12.4.6.0.0	12.7.3.0.0	12.10.0.0.0	13.0.9.0.0	13.3.6.0.0	13.6.3.0.0	13.9.0.0.0
¼	11.3.0.0.9	11.5.9.1.6	11.8.6.2.3	11.11.3.3.0	12.2.0.3.9	12.4.9.4.6	12.7.6.5.3	12.10.3.6.0	13.1.0.6.9	13.3.9.7.6	13.6.6.8.3	13.9.3.9.0
½	11.3.3.1.6	11.6.0.3.0	11.8.9.4.6	11.11.6.6.0	12.2.3.7.6	12.5.0.9.0	12.7.9.10.6	12.10.7.0.0	13.1.4.1.6	13.4.1.3.0	13.6.10.4.6	13.9.7.6.0
¾	11.3.6.2.3	11.6.3.4.6	11.9.0.6.9	11.11.9.9.0	12.2.6.11.3	12.5.4.1.6	12.8.1.3.9	12.10.10.6.0	13.1.7.8.3	13.4.4.10.6	13.7.2.0.9	13.9.11.3.0
11.1.0	11.3.9.3.0	11.6.6.6.0	11.9.3.9.0	12.0.1.0.0	12.2.10.3.0	12.5.7.6.0	12.8.4.9.0	12.11.2.0.0	13.1.11.3.0	13.4.8.6.0	13.7.5.9.0	13.10.3.0.0
¼	11.4.0.3.9	11.6.9.7.6	11.9.6.11.3	12.0.4.3.0	12.3.1.6.9	12.5.10.10.6	12.8.8.2.3	12.11.5.6.0	13.2.2.9.9	13.5.0.1.6	13.7.9.5.3	13.10.6.9.0
½	11.4.3.4.6	11.7.0.9.0	11.9.10.1.6	12.0.7.6.0	12.3.4.10.6	12.6.2.3.0	12.8.11.7.6	12.11.9.0.0	13.2.6.4.6	13.5.3.9.0	13.8.1.1.6	13.10.10.6.0
¾	11.4.6.5.3	11.7.3.10.6	11.10.1.3.9	12.0.10.9.0	12.3.8.2.3	12.6.5.7.6	12.9.3.0.9	13.0.0.6.0	13.2.9.11.3	13.5.7.4.6	13.8.4.9.9	13.11.2.3.0
11.2.0	11.4.9.6.0	11.7.7.0.0	11.10.4.6.0	12.1.2.0.0	12.3.11.6.0	12.6.9.0.0	12.9.6.6.0	13.0.4.0.0	13.3.1.6.0	13.5.11.0.0	13.8.8.6.0	13.11.6.0.0
¼	11.5.0.6.9	11.7.10.1.6	11.10.7.8.3	12.1.5.3.0	12.4.2.9.9	12.7.0.4.6	12.9.9.11.3	13.0.7.6.0	13.3.5.0.9	13.6.2.7.6	13.9.0.2.3	13.11.9.9.0
½	11.5.3.7.6	11.8.1.3.0	11.10.10.10.6	12.1.8.6.0	12.4.6.1.6	12.7.3.9.0	12.10.1.4.6	13.0.11.0.0	13.3.8.7.6	13.6.6.3.0	13.9.3.10.6	14.0.1.6.0
¾	11.5.6.8.3	11.8.4.4.6	11.11.2.0.9	12.1.11.9.0	12.4.9.5.3	12.7.7.1.6	12.10.4.9.9	13.1.2.6.0	13.4.0.2.3	13.6.9.10.6	13.9.7.6.9	14.0.5.3.0
11.3.0	11.5.9.9.0	11.8.7.6.0	11.11.5.3.0	12.2.3.0.0	12.5.0.9.0	12.7.10.6.0	12.10.8.3.0	13.1.6.0.0	13.4.3.9.0	13.7.1.6.0	13.9.11.3.0	14.0.9.0.0
¼	11.6.0.9.9	11.8.10.7.6	11.11.8.5.3	12.2.6.3.0	12.5.4.0.9	12.8.1.10.6	12.10.11.8.3	13.1.9.6.0	13.4.7.3.9	13.7.5.1.6	13.10.2.11.3	14.1.0.9.0
½	11.6.3.10.6	11.9.1.9.0	11.11.11.7.6	12.2.9.6.0	12.5.7.4.6	12.8.5.3.0	12.11.3.1.6	13.2.1.0.0	13.4.10.10.6	13.7.8.9.0	13.10.6.7.6	14.1.4.6.0
¾	11.6.6.11.3	11.9.4.10.6	12.0.2.9.9	12.3.0.9.0	12.5.10.8.3	12.8.8.7.6	12.11.6.6.9	13.2.4.6.0	13.5.2.5.3	13.8.0.4.6	13.10.10.3.9	14.1.8.3.0
11.4.0	11.6.10.0.0	11.9.8.0.0	12.0.6.0.0	12.3.4.0.0	12.6.2.0.0	12.9.0.0.0	12.11.10.0.0	13.2.8.0.0	13.5.6.0.0	13.8.4.0.0	13.11.2.0.0	14.2.0.0.0
¼	11.7.1.0.9	11.9.11.1.6	12.0.9.2.3	12.3.7.3.0	12.6.5.3.9	12.9.3.4.6	13.0.1.5.3	13.2.11.6.0	13.5.9.6.9	13.8.7.7.6	13.11.5.8.3	14.2.3.9.0
½	11.7.4.1.6	11.10.2.3.0	12.1.0.4.6	12.3.10.6.0	12.6.8.7.6	12.9.6.9.0	13.0.4.10.6	13.3.3.0.0	13.6.1.1.6	13.8.11.3.0	13.11.9.4.6	14.2.7.6.0
¾	11.7.7.2.3	11.10.5.4.6	12.1.3.6.9	12.4.1.9.0	12.6.11.11.3	12.9.10.1.6	13.0.8.3.9	13.3.6.6.0	13.6.4.8.3	13.9.2.10.6	14.0.1.0.9	14.2.11.3.0
11.5.0	11.7.10.3.0	11.10.8.6.0	12.1.6.9.0	12.4.5.0.0	12.7.3.3.0	12.10.1.6.0	13.0.11.9.0	13.3.10.0.0	13.6.8.3.0	13.9.6.6.0	14.0.4.9.0	14.3.3.0.0
¼	11.8.1.3.9	11.10.11.7.6	12.1.9.11.3	12.4.8.3.0	12.7.6.6.9	12.10.4.10.6	13.1.3.2.3	13.4.1.6.0	13.6.11.9.9	13.9.10.1.6	14.0.8.5.3	14.3.6.9.0
½	11.8.4.4.6	11.11.2.9.0	12.2.1.1.6	12.4.11.6.0	12.7.9.10.6	12.10.8.3.0	13.1.6.7.6	13.4.5.0.0	13.7.3.4.6	13.10.1.9.0	14.1.0.1.6	14.3.10.6.0
¾	11.8.7.5.3	11.11.5.10.6	12.2.4.3.9	12.5.2.9.0	12.8.1.2.3	12.10.11.7.6	13.1.10.0.9	13.4.8.6.0	13.7.6.11.3	13.10.5.4.6	14.1.3.9.9	14.4.2.3.0
11.6.0	11.8.10.6.0	11.11.9.0.0	12.2.7.6.0	12.5.6.0.0	12.8.4.6.0	12.11.3.0.0	13.2.1.6.0	13.5.0.0.0	13.7.10.6.0	13.10.9.0.0	14.1.7.6.0	14.4.6.0.0
¼	11.9.1.6.9	12.0.0.1.6	12.2.10.8.3	12.5.9.3.0	12.8.7.9.9	12.11.6.4.6	13.2.4.11.3	13.5.3.6.0	13.8.2.0.9	13.11.0.7.6	14.1.11.2.3	14.4.9.9.0
½	11.9.4.7.6	12.0.3.3.0	12.3.1.10.6	12.6.0.6.0	12.8.11.1.6	12.11.9.9.0	13.2.8.4.6	13.5.7.0.0	13.8.5.7.6	13.11.4.3.0	14.2.2.10.6	14.5.1.6.0
¾	11.9.7.8.3	12.0.6.4.6	12.3.5.0.9	12.6.3.9.0	12.9.2.5.3	13.0.1.1.6	13.2.11.9.9	13.5.10.6.0	13.8.9.2.3	13.11.7.10.6	14.2.6.6.9	14.5.5.3.0

A TABLE OF FEET AND INCHES

from 11 foot 7 inches by 1 foot and 1 quarter of an inch, to 12 foot 5 inches and 3 quarters by 1 foot 3 inches.

F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	1.0¼	1.0½	1.0¾	1.1.0	1.1¼	1.1½	1.1¾	1.2.0	1.2¼	1.2½	1.2¾	1.3.0
11.7.0 ¼ ½ ¾	11.9.10.9.0 11.10.1.0.0 11.10.4.10.0 11.10.7.11.3	12.0.9.6.0 12.1.0.7.0 12.1.3.9.0 12.1.6.10.6	12.3.8.3.0 12.3.11.5.3 12.4.2.7.6 12.4.5.9.9	12.6.7.0.0 12.6.10.3.0 12.7.1.6.0 12.7.4.9.0	12.9.5.9.0 12.9.9.0.9 12.10.0.4.6 12.10.3.8.3	13.0.4.6.0 13.0.7.10.6 13.0.11.3.0 13.1.2.7.6	13.3.3.3.0 13.3.6.8.3 13.3.10.1.6 13.4.1.6.9	13.6.2.0.0 13.6.5.6.0 13.6.9.0.0 13.7.0.6.0	13.9.0.9.0 13.9.4.3.9 13.9.7.10.6 13.9.11.5.3	13.11.11.6.0 14.0.3.1.6 14.0.6.9.0 14.0.10.4.6	14.2.10.3.0 14.3.1.11.3 14.3.5.7.6 14.3.9.3.9	14.5.9.0.0 14.6.0.9.0 14.6.4.6.0 14.6.8.3.0
11.8.0 ¼ ½ ¾	11.10.11.0.0 11.11.2.0.9 11.11.5.1.6 11.11.8.2.3	12.1.10.0.0 12.2.1.1.6 12.2.4.3.0 12.2.7.4.6	12.4.9.0.0 12.5.0.2.3 12.5.3.4.6 12.5.6.6.9	12.7.8.0.0 12.7.11.3.0 12.8.2.6.0 12.8.5.9.0	12.10.7.0.0 12.10.10.3.9 12.11.1.7.6 12.11.4.11.3	13.1.6.0.0 13.1.9.4.6 13.2.0.9.0 13.2.4.1.6	13.4.5.0.0 13.4.8.5.3 13.4.11.10.6 13.5.3.3.9	13.7.4.0.0 13.7.7.6.0 13.7.11.0.0 13.8.2.6.0	13.10.3.0.0 13.10.6.6.9 13.10.10.1.6 13.11.1.8.3	14.1.2.0.0 14.1.5.7.6 14.1.9.3.0 14.2.0.10.6	14.4.1.0.0 14.4.4.8.3 14.4.8.4.6 14.5.0.0.9	14.7.0.0.0 14.7.3.9.0 14.7.7.6.0 14.7.11.3.0
11.9.0 ¼ ½ ¾	11.11.11.3.0 12.0.2.3.9 12.0.5.4.6 12.0.8.5.3	12.2.10.6.0 12.3.1.7.6 12.3.4.9.0 12.3.7.10.6	12.5.9.9.0 12.6.0.11.3 12.6.4.1.6 12.6.7.3.9	12.8.9.0.0 12.9.0.3.0 12.9.3.6.0 12.9.6.9.0	12.11.8.3.0 12.11.11.6.9 13.0.2.10.6 13.0.6.2.3	13.2.7.6.0 13.2.10.10.6 13.3.2.3.0 13.3.5.7.6	13.5.6.9.0 13.5.10.2.3 13.6.1.7.6 13.6.5.0.9	13.8.6.0.0 13.8.9.6.0 13.9.1.0.0 13.9.4.6.0	13.11.5.3.0 13.11.8.9.9 14.0.0.4.6 14.0.3.11.3	14.2.4.6.0 14.2.8.1.6 14.2.11.9.0 14.3.3.4.6	14.5.3.9.0 14.5.7.5.3 14.5.11.1.6 14.6.2.9.9	14.8.3.0.0 14.8.6.9.0 14.8.10.6.0 14.9.2.3.0
11.10.0 ¼ ½ ¾	12.0.11.6.0 12.1.2.6.9 12.1.5.7.6 12.1.8.8.3	12.3.11.0.0 12.4.2.1.6 12.4.5.3.0 12.4.8.4.6	12.6.10.6.0 12.7.1.8.3 12.7.4.10.6 12.7.8.0.9	12.9.10.0.0 12.10.1.3.0 12.10.4.6.0 12.10.7.9.0	13.0.9.6.0 13.1.0.9.9 13.1.4.1.6 13.1.7.5.3	13.3.9.0.0 13.4.0.4.6 13.4.3.9.0 13.4.7.1.6	13.6.8.6.0 13.6.11.11.3 13.7.3.4.6 13.7.6.9.9	13.9.8.0.0 13.9.11.6.0 13.10.3.0.0 13.10.6.6.0	14.0.7.6.0 14.0.11.0.9 14.1.2.7.6 14.1.6.2.3	14.3.7.0.0 14.3.10.7.6 14.4.2.3.0 14.4.5.10.6	14.6.6.6.0 14.6.10.2.3 14.7.1.10.6 14.7.5.6.9	14.9.6.0.0 14.9.9.9.0 14.10.1.6.0 14.10.5.3.0
11.11.0 ¼ ½ ¾	12.1.11.0.0 12.2.2.0.9 12.2.5.1.6 12.2.8.2.3	12.4.11.6.0 12.5.2.7.6 12.5.5.9.0 12.5.8.10.6	12.7.11.3.0 12.8.2.5.3 12.8.5.7.6 12.8.8.9.9	12.10.11.0.0 12.11.2.3.0 12.11.5.6.0 12.11.8.9.0	13.1.10.9.0 13.2.2.0.9 13.2.5.4.6 13.2.8.8.3	13.4.10.6.0 13.5.1.10.6 13.5.5.3.0 13.5.8.7.6	13.7.10.3.0 13.8.1.8.3 13.8.5.1.6 13.8.8.6.9	13.10.10.0.0 13.11.1.6.0 13.11.5.0.0 13.11.8.6.0	14.1.9.9.0 14.2.1.3.9 14.2.4.10.6 14.2.8.5.3	14.4.9.6.0 14.5.1.1.6 14.5.4.9.0 14.5.8.4.6	14.7.9.3.0 14.8.0.11.3 14.8.4.7.6 14.8.8.3.9	14.10.9.0.0 14.11.0.9.0 14.11.4.6.0 14.11.8.3.0
12.0.0 ¼ ½ ¾	12.3.0.0.0 12.3.3.0.9 12.3.6.1.6 12.3.9.2.3	12.6.0.0.0 12.6.3.1.6 12.6.6.3.0 12.6.9.4.6	12.9.0.0.0 12.9.3.2.3 12.9.6.4.6 12.9.9.6.9	13.0.0.0.0 13.0.3.3.0 13.0.6.6.0 13.0.9.9.0	13.3.0.0.0 13.3.3.3.9 13.3.6.7.6 13.3.9.11.3	13.6.0.0.0 13.6.3.4.6 13.6.6.9.0 13.6.10.1.6	13.9.0.0.0 13.9.3.5.3 13.9.6.10.6 13.9.10.3.9	14.0.0.0.0 14.0.3.6.0 14.0.7.0.0 14.0.10.6.0	14.3.0.0.0 14.3.3.6.9 14.3.7.1.6 14.3.10.8.3	14.6.0.0.0 14.6.3.7.6 14.6.7.3.0 14.6.10.10.6	14.9.0.0.0 14.9.3.8.3 14.9.7.4.6 14.9.11.0.9	15.0.0.0.0 15.0.3.9.0 15.0.7.6.0 15.0.11.3.0
12.1.0 ¼ ½ ¾	12.4.0.3.0 12.4.3.3.9 12.4.6.4.6 12.4.9.5.3	12.7.0.6.0 12.7.3.7.6 12.7.6.9.0 12.7.9.10.6	12.10.0.9.0 12.10.3.11.3 12.10.7.1.6 12.10.10.3.9	13.1.1.0.0 13.1.4.3.0 13.1.7.6.0 13.1.10.9.0	13.4.1.3.0 13.4.4.6.9 13.4.7.10.6 13.4.11.2.3	13.7.1.6.0 13.7.4.10.6 13.7.8.3.0 13.7.11.7.6	13.10.1.9.0 13.10.5.2.3 13.10.8.7.6 13.11.0.0.9	14.1.2.0.0 14.1.5.6.0 14.1.9.0.0 14.2.0.6.0	14.4.2.3.0 14.4.5.9.9 14.4.9.4.6 14.5.0.11.3	14.7.2.6.0 14.7.6.1.6 14.7.9.9.0 14.8.1.4.6	14.10.2.9.0 14.10.6.5.3 14.10.10.1.6 14.11.1.9.9	15.1.3.0.0 15.1.6.9.0 15.1.10.6.0 15.2.2.3.0
12.2.0 ¼ ½ ¾	12.5.0.6.0 12.5.3.6.9 12.5.6.7.6 12.5.9.8.3	12.8.1.0.0 12.8.4.1.6 12.8.7.3.0 12.8.10.4.6	12.11.1.6.0 12.11.4.8.3 12.11.7.10.6 12.11.11.0.9	13.2.2.0.0 13.2.5.3.0 13.2.8.6.0 13.2.11.9.0	13.5.2.6.0 13.5.5.9.9 13.5.9.1.6 13.6.0.5.3	13.8.3.0.0 13.8.6.4.6 13.8.9.9.0 13.9.1.1.6	13.11.3.6.0 13.11.6.11.3 13.11.10.4.6 14.0.1.9.9	14.2.4.0.0 14.2.7.6.0 14.2.11.0.0 14.3.2.6.0	14.5.4.6.0 14.5.8.0.9 14.5.11.7.6 14.6.3.2.3	14.8.5.0.0 14.8.8.7.6 14.9.0.3.0 14.9.3.10.6	14.11.5.6.0 14.11.9.2.3 15.0.0.10.6 15.0.4.6.9	15.2.6.0.0 15.2.9.9.0 15.3.1.6.0 15.3.5.3.0
12.3.0 ¼ ½ ¾	12.6.0.9.0 12.6.3.9.9 12.6.6.10.6 12.6.9.11.3	12.9.1.6.0 12.9.4.7.6 12.9.7.9.0 12.9.10.10.6	13.0.2.3.0 13.0.5.5.3 13.0.8.7.6 13.0.11.9.9	13.3.3.0.0 13.3.6.3.0 13.3.9.6.0 13.4.0.9.0	13.6.3.9.0 13.6.7.0.9 13.6.10.4.6 13.7.1.8.3	13.9.4.6.0 13.9.7.10.6 13.9.11.3.0 13.10.2.7.6	14.0.5.3.0 14.0.8.8.3 14.1.0.1.6 14.1.3.6.9	14.3.6.0.0 14.3.9.6.0 14.4.1.0.0 14.4.4.6.0	14.6.6.9.0 14.6.10.3.9 14.7.1.10.6 14.7.5.5.3	14.9.7.6.0 14.9.11.1.6 14.10.2.9.0 14.10.6.4.6	15.0.8.3.0 15.0.11.11.3 15.1.3.7.6 15.1.7.3.9	15.3.9.0.0 15.4.0.9.0 15.4.4.6.0 15.4.8.3.0
12.4.0 ¼ ½ ¾	12.7.1.0.0 12.7.4.0.9 12.7.7.1.6 12.7.10.2.3	12.10.2.0.0 12.10.5.1.6 12.10.8.3.0 12.10.11.4.6	13.1.3.0.0 13.1.6.2.3 13.1.9.4.6 13.2.0.6.9	13.4.4.0.0 13.4.7.3.0 13.4.10.6.0 13.5.1.9.0	13.7.5.0.0 13.7.8.3.9 13.7.11.7.6 13.8.2.11.3	13.10.6.0.0 13.10.9.4.6 13.11.0.9.0 13.11.4.1.6	14.1.7.0.0 14.1.10.5.3 14.2.1.10.6 14.2.5.3.9	14.4.8.0.0 14.4.11.6.0 14.5.3.0.0 14.5.6.6.0	14.7.9.0.0 14.8.0.6.9 14.8.4.1.6 14.8.7.8.3	14.10.10.0.0 14.11.1.7.6 14.11.5.3.0 14.11.8.10.6	15.1.11.0.0 15.2.2.8.3 15.2.6.4.6 15.2.10.0.9	15.5.0.0.0 15.5.3.9.0 15.5.7.6.0 15.5.11.3.0
12.5.0 ¼ ½ ¾	12.8.1.3.0 12.8.4.3.9 12.8.7.4.6 12.8.10.5.3	12.11.2.6.0 12.11.5.7.6 12.11.8.9.0 12.11.11.10.6	13.2.3.9.0 13.2.6.11.3 13.2.10.1.6 13.3.1.3.9	13.5.5.0.0 13.5.8.3.0 13.5.11.6.0 13.6.2.9.0	13.8.6.3.0 13.8.9.6.9 13.9.0.10.6 13.9.4.2.3	13.11.7.6.0 13.11.10.10.6 14.0.2.3.0 14.0.5.7.6	14.2.8.9.0 14.3.0.2.3 14.3.3.7.6 14.3.7.0.9	14.5.10.0.0 14.6.1.6.0 14.6.5.0.0 14.6.8.6.0	14.8.11.3.0 14.9.2.9.9 14.9.6.4.6 14.9.9.11.3	15.0.0.6.0 15.0.4.1.6 15.0.7.9.0 15.0.11.4.6	15.3.1.9.0 15.3.5.5.3 15.3.9.1.6 15.4.0.9.9	15.6.3.0.0 15.6.6.9.0 15.6.10.6.0 15.7.2.3.0

from 1 foot 3 inches by 1 foot 3 inches and 1 quarter to 2 foot 5 inches and 3 quarters by 1 foot 6 inches

F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	1.3¼	1.3½	1.3¾	1.4.0	1.4¼	1.4½	1.4¾	1.5.0	1.5¼	1.5½	1.5¾	1.6.0
1.3.0 ¼ ½ ¾	1.7.0.9.6 1.7.4.0.9 1.7.8.4.6 1.8.0.2.3	 1.8.0.3.0 1.8.4.1.6	 1.8.8.0.9									
1.4.0 ¼ ½ ¾	1.8.4.0.0 1.8.7.9.9 1.8.11.7.6 1.9.3.5.3	1.8.8.0.0 1.8.11.10.6 1.9.3.9.0 1.9.7.7.6	1.9.0.0.0 1.9.3.11.3 1.9.7.10.6 1.9.11.9.9	1.9.4.0.0 1.9.8.0.0 1.10.0.0.0 1.10.4.0.0	 1.10.0.0.9 1.10.4.1.6 1.10.8.2.3	 1.10.8.3.0 1.11.0.4.6	 1.11.4.6.9					
1.5.0 ¼ ½ ¾	1.9.7.3.0 1.9.11.0.9 1.10.2.10.6 1.10.6.8.3	1.9.11.6.0 1.10.3.4.6 1.10.7.3.0 1.10.11.1.6	1.10.3.9.0 1.10.7.8.3 1.10.11.7.6 1.11.3.6.9	1.10.8.0.0 1.11.0.0.0 1.11.4.0.0 1.11.8.0.0	1.11.0.3.0 1.11.4.3.9 1.11.8.4.6 2.0.0.5.3	1.11.4.6.0 1.11.8.7.6 2.0.0.9.0 2.0.4.10.6	1.11.8.9.0 2.0.0.11.3 2.0.5.1.6 2.0.9.3.9	2.0.1.0.0 2.0.5.3.0 2.0.9.6.0 2.1.1.9.0	 2.0.9.6.0 2.1.1.10.6 2.1.6.2.3	 2.1.6.3.0 2.1.10.7.6	 2.2.3.0.9	
1.6.0 ¼ ½ ¾	1.10.10.6.0 1.11.2.3.9 1.11.6.1.6 1.11.9.11.3	1.11.3.0.0 1.11.6.10.6 1.11.10.9.0 2.0.2.7.6	1.11.7.6.0 1.11.11.5.3 2.0.3.4.6 2.0.7.3.9	2.0.0.0.0 2.0.4.0.0 2.0.8.0.0 2.1.0.0.0	2.0.4.6.0 2.0.8.6.9 2.1.0.7.6 2.1.4.8.3	2.0.9.0.0 2.1.1.1.6 2.1.5.3.0 2.1.9.4.6	2.1.1.6.0 2.1.5.8.3 2.1.9.10.6 2.2.2.0.9	2.1.6.0.0 2.1.10.3.0 2.2.2.6.0 2.2.6.9.0	2.1.10.6.0 2.2.2.9.9 2.2.7.1.6 2.2.11.5.3	2.2.3.0.0 2.2.7.4.6 2.2.11.9.0 2.3.4.1.6	2.2.7.6.0 2.2.11.11.3 2.3.4.4.6 2.3.8.9.9	2.3.0.0.0 2.3.4.6.0 2.3.9.0.0 2.4.1.6.0
1.7.0 ¼ ½ ¾	2.0.1.9.0 2.0.5.6.9 2.0.9.4.6 2.1.1.2.3	2.0.6.6.0 2.0.10.4.6 2.1.2.3.0 2.1.6.1.6	2.0.11.3.0 2.1.3.2.3 2.1.7.1.6 2.1.11.0.9	2.1.4.0.0 2.1.8.0.0 2.2.0.0.0 2.2.4.0.0	2.1.8.9.0 2.2.0.9.9 2.2.4.10.6 2.2.8.11.3	2.2.1.6.0 2.2.5.7.6 2.2.9.9.0 2.3.1.10.6	2.2.6.3.0 2.2.10.5.3 2.3.2.7.6 2.3.6.9.9	2.2.11.0.0 2.3.3.3.0 2.3.7.6.0 2.3.11.9.0	2.3.3.9.0 2.3.8.0.9 2.4.0.4.6 2.4.4.8.3	2.3.8.6.0 2.4.0.10.6 2.4.5.3.0 2.4.9.7.6	2.4.1.3.0 2.4.5.8.3 2.4.10.1.6 2.5.2.6.9	2.4.6.0.0 2.4.10.6.0 2.5.3.0.0 2.5.7.6.0
1.8.0 ¼ ½ ¾	2.1.5.0.0 2.1.8.9.9 2.2.0.7.6 2.2.4.5.3	2.1.10.0.0 2.2.1.10.6 2.2.5.9.0 2.2.9.7.6	2.2.3.0.0 2.2.6.11.3 2.2.10.10.6 2.3.2.9.9	2.2.8.0.0 2.3.0.0.0 2.3.4.0.0 2.3.8.0.0	2.3.1.0.0 2.3.5.0.9 2.3.9.1.6 2.4.1.2.3	2.3.6.0.0 2.3.10.1.6 2.4.2.3.0 2.4.6.4.6	2.3.11.0.0 2.4.3.2.3 2.4.7.4.6 2.4.11.6.9	2.4.4.0.0 2.4.8.3.0 2.5.0.6.0 2.5.4.9.0	2.4.9.0.0 2.5.1.3.9 2.5.5.7.6 2.5.9.11.3	2.5.2.0.0 2.5.6.4.6 2.5.10.9.0 2.6.3.1.6	2.5.7.0.0 2.5.11.5.3 2.6.3.10.6 2.6.8.3.9	2.6.0.0.0 2.6.4.6.0 2.6.9.0.0 2.7.1.6.0
1.9.0 ¼ ½ ¾	2.2.8.3.0 2.3.0.0.9 2.3.3.10.6 2.3.7.8.3	2.3.1.6.0 2.3.5.4.6 2.3.9.3.0 2.4.1.1.6	2.3.6.9.0 2.3.10.8.3 2.4.2.7.6 2.4.6.6.9	2.4.0.0.0 2.4.4.0.0 2.4.8.0.0 2.5.0.0.0	2.4.5.3.0 2.4.9.3.9 2.5.1.4.6 2.5.5.5.3	2.4.10.6.0 2.5.2.7.6 2.5.6.9.0 2.5.10.10.6	2.5.3.9.0 2.5.7.11.3 2.6.0.1.6 2.6.4.3.9	2.5.9.0.0 2.6.1.3.0 2.6.5.6.0 2.6.9.9.0	2.6.2.3.0 2.6.6.6.9 2.6.10.10.6 2.7.3.2.3	2.6.7.6.0 2.6.11.10.6 2.7.4.3.0 2.7.8.7.6	2.7.0.9.0 2.7.5.2.3 2.7.9.7.6 2.8.2.0.9	2.7.6.0.0 2.7.10.6.0 2.8.3.0.0 2.8.7.6.0
1.10.0 ¼ ½ ¾	2.3.11.6.0 2.4.3.3.9 2.4.7.1.6 2.4.10.11.3	2.4.5.0.0 2.4.8.10.6 2.5.0.9.0 2.5.4.7.6	2.4.10.6.0 2.5.2.5.3 2.5.6.4.6 2.5.10.3.9	2.5.4.0.0 2.5.8.0.0 2.6.0.0.0 2.6.4.0.0	2.5.9.6.0 2.6.1.6.9 2.6.5.7.6 2.6.9.8.3	2.6.3.0.0 2.6.7.1.6 2.6.11.3.0 2.7.3.4.6	2.6.8.6.0 2.7.0.8.3 2.7.4.10.6 2.7.9.0.9	2.7.2.0.0 2.7.6.3.0 2.7.10.6.0 2.8.2.9.0	2.7.7.6.0 2.7.11.9.9 2.8.4.1.6 2.8.8.5.3	2.8.1.0.0 2.8.5.4.6 2.8.9.9.0 2.9.2.1.6	2.8.6.6.0 2.8.10.11.3 2.9.3.4.6 2.9.7.9.9	2.9.0.0.0 2.9.4.6.0 2.9.9.0.0 2.10.1.6.0
1.11.0 ¼ ½ ¾	2.5.2.9.0 2.5.6.6.9 2.5.10.4.6 2.6.2.2.3	2.5.8.6.0 2.6.0.4.6 2.6.4.3.0 2.6.8.1.6	2.6.2.3.0 2.6.6.2.3 2.6.10.1.6 2.7.2.0.9	2.6.8.0.0 2.7.0.0.0 2.7.4.0.0 2.7.8.0.0	2.7.1.9.0 2.7.5.9.9 2.7.9.10.6 2.8.1.11.3	2.7.7.6.0 2.7.11.7.6 2.8.3.9.0 2.8.7.10.6	2.8.1.3.0 2.8.5.5.3 2.8.9.7.6 2.9.1.9.9	2.8.7.0.0 2.8.11.3.0 2.9.3.6.0 2.9.7.9.0	2.9.0.9.0 2.9.5.0.9 2.9.9.4.6 2.10.1.8.3	2.9.6.6.0 2.9.10.10.6 2.10.3.3.0 2.10.7.7.6	2.10.0.3.0 2.10.4.8.3 2.10.9.1.6 2.11.1.6.9	2.10.6.0.0 2.10.10.6.0 2.11.3.0.0 2.11.7.6.0
2.0.0 ¼ ½ ¾	2.6.6.0.0 2.6.9.9.9 2.7.1.7.6 2.7.5.5.3	2.7.0.0.0 2.7.3.10.6 2.7.7.9.0 2.7.11.7.6	2.7.6.0.0 2.7.9.11.3 2.8.1.10.6 2.8.5.9.9	2.8.0.0.0 2.8.4.0.0 2.8.8.0.0 2.9.0.0.0	2.8.6.0.0 2.8.10.0.9 2.9.2.1.6 2.9.6.2.3	2.9.0.0.0 2.9.4.1.6 2.9.8.3.0 2.10.0.4.6	2.9.6.0.0 2.9.10.2.3 2.10.2.4.6 2.10.6.6.9	2.10.0.0.0 2.10.4.3.0 2.10.8.6.0 2.11.0.9.0	2.10.6.0.0 2.10.10.3.9 2.11.2.7.6 2.11.6.11.3	2.11.0.0.0 2.11.4.4.6 2.11.8.9.0 3.0.1.1.6	2.11.6.0.0 2.11.10.5.3 3.0.2.10.6 3.0.7.3.9	3.0.0.0.0 3.0.4.6.0 3.0.9.0.0 3.1.1.6.0
2.1.0 ¼ ½ ¾	2.7.9.3.0 2.8.1.0.9 2.8.4.10.6 2.8.8.8.3	2.8.3.6.0 2.8.7.4.6 2.8.11.3.0 2.9.3.1.6	2.8.9.9.0 2.9.1.8.3 2.9.5.7.6 2.9.9.6.9	2.9.4.0.0 2.9.8.0.0 2.10.0.0.0 2.10.4.0.0	2.9.10.3.0 2.10.2.3.9 2.10.6.4.6 2.10.10.5.3	2.10.4.6.0 2.10.8.7.6 2.11.0.9.0 2.11.4.10.6	2.10.10.9.0 2.11.2.11.3 2.11.7.1.6 2.11.11.3.9	2.11.5.0.0 2.11.9.3.0 3.0.1.6.0 3.0.5.9.0	2.11.11.3.0 3.0.3.6.9 3.0.7.10.6 3.1.0.2.3	3.0.5.6.0 3.0.9.10.6 3.1.2.3.0 3.1.6.7.6	3.0.11.9.0 3.1.4.2.3 3.1.8.7.6 3.2.1.0.9	3.1.6.0.0 3.1.10.6.0 3.2.3.0.0 3.2.7.6.0
2.2.0 ¼ ½ ¾	2.9.0.6.0 2.9.4.3.9 2.9.8.1.6 2.9.11.11.3	2.9.7.0.0 2.9.10.10.6 2.10.2.9.0 2.10.6.7.6	2.10.1.6.0 2.10.5.5.3 2.10.9.4.6 2.11.1.3.9	2.10.8.0.0 2.11.0.0.0 2.11.4.0.0 2.11.8.0.0	2.11.2.6.0 2.11.6.6.9 2.11.10.7.6 3.0.2.8.3	2.11.9.0.0 3.0.1.1.6 3.0.5.3.0 3.0.9.4.6	3.0.3.6.0 3.0.7.8.3 3.0.11.10.6 3.1.4.0.9	3.0.10.0.0 3.1.2.3.0 3.1.6.6.0 3.1.10.9.0	3.1.4.6.0 3.1.8.9.9 3.2.1.1.6 3.2.5.5.3	3.1.11.0.0 3.2.3.4.6 3.2.7.9.0 3.3.0.1.6	3.2.5.6.0 3.2.9.11.3 3.3.2.4.6 3.3.6.9.9	3.3.0.0.0 3.3.4.6.0 3.3.9.0.0 3.4.1.6.0
2.3.0 ¼ ½ ¾	2.10.3.9.0 2.10.7.6.9 2.10.11.4.6 2.11.3.2.3	2.10.10.6.0 2.11.2.4.6 2.11.6.3.0 2.11.10.1.6	2.11.5.3.0 2.11.9.2.3 3.0.1.1.6 3.0.5.0.9	3.0.0.0.0 3.0.4.0.0 3.0.8.0.0 3.1.0.0.0	3.0.6.9.0 3.0.10.9.9 3.1.2.10.6 3.1.6.11.3	3.1.1.6.0 3.1.5.7.6 3.1.9.9.0 3.2.1.10.6	3.1.8.3.0 3.2.0.5.3 3.2.4.7.6 3.2.8.9.9	3.2.3.0.0 3.2.7.3.0 3.2.11.6.0 3.3.3.9.0	3.2.9.9.0 3.3.2.0.9 3.3.6.4.6 3.3.10.8.3	3.3.4.6.0 3.3.8.10.6 3.4.1.3.0 3.4.5.7.6	3.3.11.3.0 3.4.3.8.3 3.4.8.1.6 3.5.0.6.9	3.4.6.0.0 3.4.10.6.0 3.5.3.0.0 3.5.7.6.0
2.4.0 ¼ ½ ¾	2.11.7.0.0 2.11.10.9.9 3.0.2.7.6 3.0.6.5.3	3.0.2.0.0 3.0.5.10.6 3.0.9.9.0 3.1.1.7.6	3.0.9.0.0 3.1.0.11.3 3.1.4.10.6 3.1.8.9.9	3.1.4.0.0 3.1.8.0.0 3.2.0.0.0 3.2.4.0.0	3.1.11.0.0 3.2.3.0.9 3.2.7.1.6 3.2.11.2.3	3.2.6.0.0 3.2.10.1.6 3.3.2.3.0 3.3.6.4.6	3.3.1.0.0 3.3.5.2.3 3.3.9.4.6 3.4.1.6.9	3.3.8.0.0 3.4.0.3.0 3.4.4.6.0 3.4.8.9.0	3.4.3.0.0 3.4.7.3.9 3.4.11.7.6 3.5.3.11.3	3.4.10.0.0 3.5.2.4.6 3.5.6.9.0 3.5.11.1.6	3.5.5.0.0 3.5.9.5.3 3.6.1.10.6 3.6.6.3.9	3.6.0.0.0 3.6.4.6.0 3.6.9.0.0 3.7.1.6.0
2.5.0 ¼ ½ ¾	3.0.10.3.0 3.1.2.0.9 3.1.5.10.6 3.1.9.8.3	3.1.5.6.0 3.1.9.4.6 3.2.1.3.0 3.2.5.1.6	3.2.0.9.0 3.2.4.8.3 3.2.8.7.6 3.3.0.6.9	3.2.8.0.0 3.3.0.0.0 3.3.4.0.0 3.3.8.0.0	3.3.3.3.0 3.3.7.3.9 3.3.11.4.6 3.4.3.5.3	3.3.10.6.0 3.4.2.7.6 3.4.6.9.0 3.4.10.10.6	3.4.5.9.0 3.4.9.11.3 3.5.2.1.6 3.5.6.3.9	3.5.1.0.0 3.5.5.3.0 3.5.9.6.0 3.6.1.9.0	3.5.8.3.0 3.6.0.6.9 3.6.4.10.6 3.6.9.2.3	3.6.3.6.0 3.6.7.10.6 3.7.0.3.0 3.7.4.7.6	3.6.10.9.0 3.7.3.2.3 3.7.7.7.6 3.8.0.0.9	3.7.6.0.0 3.7.10.6.0 3.8.3.0.0 3.8.7.6.0

A TABLE OF FEET AND INCHES

from 2 foot 6 inches by 1 foot 3 inches and 1 quarter to 4 foot 11 inches and 3 quarter by 1 foot 6 inches

F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	1.3¼	1.3½	1.3¾	1.4.0	1.4¼	1.4½	1.4¾	1.5.0	1.5¼	1.5½	1.5¾	1.6.0
2.6.0	3.2.1.6.0	3.2.9.0.0	3.3.4.6.0	3.4.0.0.0	3.4.7.6.0	3.5.3.0.0	3.5.10.6.0	3.6.6.0.0	3.7.1.6.0	3.7.9.0.0	3.8.4.6.0	3.9.0.0.0
¼	3.2.5.3.9	3.3.0.10.6	3.3.8.5.3	3.4.4.0.0	3.4.11.6.9	3.5.7.1.6	3.6.2.8.3	3.6.10.3.0	3.7.5.9.9	3.8.1.4.6	3.8.8.11.3	3.9.4.6.0
½	3.2.9.1.6	3.3.4.9.0	3.4.0.4.6	3.4.8.0.0	3.5.3.7.6	3.5.11.3.0	3.6.6.10.6	3.7.2.6.0	3.7.10.1.6	3.8.5.9.0	3.9.1.4.6	3.9.9.0.0
¾	3.3.0.11.3	3.3.8.7.6	3.4.4.3.9	3.5.0.0.0	3.5.7.8.3	3.6.3.4.6	3.6.11.0.9	3.7.6.9.0	3.8.2.5.3	3.8.10.1.6	3.9.5.9.9	3.10.1.6.0
2.7.0	3.3.4.9.0	3.4.0.6.0	3.4.8.3.0	3.5.4.0.0	3.5.11.9.0	3.6.7.6.0	3.7.3.3.0	3.7.11.0.0	3.8.6.9.0	3.9.2.6.0	3.9.10.3.0	3.10.6.0.0
¼	3.3.8.6.9	3.4.4.4.6	3.5.0.2.3	3.5.8.0.0	3.6.3.9.9	3.6.11.7.6	3.7.7.5.3	3.8.3.3.0	3.8.11.0.9	3.9.6.10.6	3.10.2.8.3	3.10.10.6.0
½	3.4.0.4.6	3.4.8.3.0	3.5.4.1.6	3.6.0.0.0	3.6.7.10.6	3.7.3.9.0	3.7.11.7.6	3.8.7.6.0	3.9.3.4.6	3.9.11.3.0	3.10.7.1.6	3.11.3.0.0
¾	3.4.4.2.3	3.5.0.1.6	3.5.8.0.9	3.6.4.0.0	3.6.11.11.3	3.7.7.10.6	3.8.3.9.9	3.8.11.9.0	3.9.7.8.3	3.10.3.7.6	3.10.11.6.9	3.11.7.6.0
2.8.0	3.4.8.0.0	3.5.4.0.0	3.6.0.0.0	3.6.8.0.0	3.7.4.0.0	3.8.0.0.0	3.8.8.0.0	3.9.4.0.0	3.10.0.0.0	3.10.8.0.0	3.11.4.0.0	4.0.0.0.0
¼	3.4.11.9.9	3.5.7.10.6	3.6.3.11.3	3.7.0.0.0	3.7.8.0.9	3.8.4.1.6	3.9.0.2.3	3.9.8.3.0	3.10.4.3.9	3.11.0.4.6	3.11.8.5.3	4.0.4.6.0
½	3.5.3.7.6	3.5.11.9.0	3.6.7.10.6	3.7.4.0.0	3.8.0.1.6	3.8.8.3.0	3.9.4.4.6	3.10.0.6.0	3.10.8.7.6	3.11.4.9.0	4.0.0.10.6	4.0.9.0.0
¾	3.5.7.5.3	3.6.3.7.6	3.6.11.9.9	3.7.8.0.0	3.8.4.2.3	3.9.0.4.6	3.9.8.6.9	3.10.4.9.0	3.11.0.11.3	3.11.9.1.6	4.0.5.3.9	4.1.1.6.0
2.9.0	3.5.11.3.0	3.6.7.6.0	3.7.3.9.0	3.8.0.0.0	3.8.8.3.0	3.9.4.6.0	3.10.0.9.0	3.10.9.0.0	3.11.5.3.0	4.0.1.6.0	4.0.9.9.0	4.1.6.0.0
¼	3.6.3.0.9	3.6.11.4.6	3.7.7.8.3	3.8.4.0.0	3.9.0.3.9	3.9.8.7.6	3.10.4.11.3	3.11.1.3.0	3.11.9.6.9	4.0.5.10.6	4.1.2.2.3	4.1.10.6.0
½	3.6.6.10.6	3.7.3.3.0	3.7.11.7.6	3.8.8.0.0	3.9.4.4.6	3.10.0.9.0	3.10.9.1.6	3.11.5.6.0	4.0.1.10.6	4.0.10.3.0	4.1.6.7.6	4.2.3.0.0
¾	3.6.10.8.3	3.7.7.1.6	3.8.3.6.9	3.9.0.0.0	3.9.8.5.3	3.10.4.10.6	3.11.1.3.9	3.11.9.9.0	4.0.6.2.3	4.1.2.7.6	4.1.11.0.9	4.2.7.6.0
2.10.0	3.7.3.6.0	3.7.11.0.0	3.8.7.6.0	3.9.4.0.0	3.10.0.6.0	3.10.9.0.0	3.11.5.6.0	4.0.2.0.0	4.0.10.6.0	4.1.7.0.0	4.2.3.6.0	4.3.0.0.0
¼	3.7.6.3.9	3.8.2.10.6	3.8.11.5.3	3.9.8.0.0	3.10.4.6.9	3.11.1.1.6	3.11.9.8.3	4.0.6.3.0	4.1.2.9.9	4.1.11.4.6	4.2.7.11.3	4.3.4.6.0
½	3.7.10.1.6	3.8.6.9.0	3.9.3.4.6	3.10.0.0.0	3.10.8.7.6	3.11.5.3.0	4.0.1.10.6	4.0.10.6.0	4.1.7.1.6	4.2.3.9.0	4.3.0.4.6	4.3.9.0.0
¾	3.8.1.11.3	3.8.10.7.6	3.9.7.3.9	3.10.4.0.0	3.11.0.8.3	3.11.9.4.6	4.0.6.0.9	4.1.2.9.0	4.1.11.5.3	4.2.8.1.6	4.3.4.9.9	4.4.1.6.0
2.11.0	3.8.5.9.0	3.9.2.6.0	3.9.11.3.0	3.10.8.0.0	3.11.4.9.0	4.0.1.6.0	4.0.10.3.0	4.1.7.0.0	4.2.3.9.0	4.3.0.6.0	4.3.9.3.0	4.4.6.0.0
¼	3.8.9.6.9	3.9.6.4.6	3.10.3.2.3	3.11.0.0.0	3.11.8.9.9	4.0.5.7.6	4.1.2.5.3	4.1.11.3.0	4.2.8.0.9	4.3.4.10.6	4.4.1.8.3	4.4.10.6.0
½	3.9.1.4.6	3.9.10.3.0	3.10.7.1.6	3.11.4.0.0	4.0.0.10.6	4.0.9.9.0	4.1.6.7.6	4.2.3.6.0	4.3.0.4.6	4.3.9.3.0	4.4.6.1.6	4.5.3.0.0
¾	3.9.5.2.3	3.10.2.1.6	3.10.11.0.9	3.11.8.0.0	4.0.4.11.3	4.1.1.10.6	4.1.10.9.9	4.2.7.9.0	4.3.4.8.3	4.4.1.7.6	4.4.10.6.9	4.5.7.6.0
3.0.0	3.9.9.0.0	3.10.6.0.0	3.11.3.0.0	4.0.0.0.0	4.0.9.0.0	4.1.6.0.0	4.2.3.0.0	4.3.0.0.0	4.3.9.0.0	4.4.6.0.0	4.5.3.0.0	4.6.0.0.0
¼	3.10.0.9.9	3.10.9.10.6	3.11.6.11.3	4.0.4.0.0	4.1.1.0.9	4.1.10.1.6	4.2.7.2.3	4.3.4.3.0	4.4.1.3.9	4.4.10.4.6	4.5.7.5.3	4.6.4.6.0
½	3.10.4.7.6	3.11.1.9.0	3.11.10.10.6	4.0.8.0.0	4.1.5.1.6	4.2.2.3.0	4.2.11.4.6	4.3.8.6.0	4.4.5.7.6	4.5.2.9.0	4.5.11.10.6	4.6.9.0.0
¾	3.10.8.5.3	3.11.5.7.6	4.0.2.9.9	4.1.0.0.0	4.1.9.2.3	4.2.6.4.6	4.3.3.6.9	4.4.0.9.0	4.4.9.11.3	4.5.7.1.6	4.6.4.3.9	4.7.1.6.0
3.1.0	3.11.0.3.0	3.11.9.6.0	4.0.6.9.0	4.1.4.0.0	4.2.1.3.0	4.2.10.6.0	4.3.7.9.0	4.4.5.0.0	4.5.2.3.0	4.5.11.6.0	4.6.8.9.0	4.7.6.0.0
¼	3.11.4.0.9	4.0.1.4.6	4.0.10.8.3	4.1.8.0.0	4.2.5.3.9	4.3.2.7.6	4.3.11.11.3	4.4.9.3.0	4.5.6.6.9	4.6.3.10.6	4.7.1.2.3	4.7.10.6.0
½	3.11.7.10.6	4.0.5.3.0	4.1.2.7.6	4.2.0.0.0	4.2.9.4.6	4.3.6.9.0	4.4.4.1.6	4.5.1.6.0	4.5.10.10.6	4.6.8.3.0	4.7.5.7.6	4.8.3.0.0
¾	3.11.11.8.3	4.0.9.1.6	4.1.6.6.9	4.2.4.0.0	4.3.1.5.3	4.3.10.10.6	4.4.8.3.9	4.5.5.9.0	4.6.3.2.3	4.7.0.7.6	4.7.10.0.9	4.8.7.6.0
3.2.0	4.0.3.6.0	4.1.1.0.0	4.1.10.6.0	4.2.8.0.0	4.3.5.6.0	4.4.3.0.0	4.5.0.6.0	4.5.10.0.0	4.6.7.6.0	4.7.5.0.0	4.8.2.6.0	4.9.0.0.0
¼	4.0.7.3.9	4.1.4.10.6	4.2.2.5.3	4.3.0.0.0	4.3.9.6.9	4.4.7.1.6	4.5.4.8.3	4.6.2.3.0	4.6.11.9.9	4.7.9.4.6	4.8.6.11.3	4.9.4.6.0
½	4.0.11.1.6	4.1.8.9.0	4.2.6.4.6	4.3.4.0.0	4.4.1.7.6	4.4.11.3.0	4.5.8.10.6	4.6.6.6.0	4.7.4.1.6	4.8.1.9.0	4.8.11.4.6	4.9.9.0.0
¾	4.1.2.11.3	4.2.0.7.6	4.2.10.3.9	4.3.8.0.0	4.4.5.8.3	4.5.3.4.6	4.6.1.0.9	4.6.10.9.0	4.7.8.5.3	4.8.6.1.6	4.9.3.9.9	4.10.1.6.0
3.3.0	4.1.6.9.0	4.2.4.6.0	4.3.2.3.0	4.4.0.0.0	4.4.9.9.0	4.5.7.6.0	4.6.5.3.0	4.7.3.0.0	4.8.0.9.0	4.8.10.6.0	4.9.8.3.0	4.10.6.0.0
¼	4.1.10.6.9	4.2.8.4.6	4.3.6.2.3	4.4.4.0.0	4.5.1.9.9	4.5.11.7.6	4.6.9.5.3	4.7.7.3.0	4.8.5.0.9	4.9.2.10.6	4.10.0.8.3	4.10.10.6.0
½	4.2.2.4.6	4.3.0.3.0	4.3.10.1.6	4.4.8.0.0	4.5.5.10.6	4.6.3.9.0	4.7.1.7.6	4.7.11.6.0	4.8.9.4.6	4.9.7.3.0	4.10.5.1.6	4.11.3.0.0
¾	4.2.6.2.3	4.3.4.1.6	4.4.2.0.9	4.5.0.0.0	4.5.9.11.3	4.6.7.10.6	4.7.5.9.9	4.8.3.9.0	4.9.1.8.3	4.9.11.7.6	4.10.9.6.9	4.11.7.6.0
3.4.0	4.2.10.0.0	4.3.8.0.0	4.4.6.0.0	4.5.4.0.0	4.6.2.0.0	4.7.0.0.0	4.7.10.0.0	4.8.8.0.0	4.9.6.0.0	4.10.4.0.0	4.11.2.0.0	5.0.0.0.0
¼	4.3.1.9.9	4.3.11.10.6	4.4.9.11.3	4.5.8.0.0	4.6.6.0.9	4.7.4.1.6	4.8.2.2.3	4.9.0.3.0	4.9.10.3.9	4.10.8.4.6	4.11.6.5.3	5.0.4.6.0
½	4.3.5.7.6	4.4.3.9.0	4.5.1.10.6	4.6.0.0.0	4.6.10.1.6	4.7.8.3.0	4.8.6.4.6	4.9.4.6.0	4.10.2.7.6	4.11.0.9.0	4.11.10.10.6	5.0.9.0.0
¾	4.3.9.5.3	4.4.7.7.6	4.5.5.9.9	4.6.4.0.0	4.7.2.2.3	4.8.0.4.6	4.8.10.6.9	4.9.8.9.0	4.10.6.11.3	4.11.5.1.6	5.0.3.3.9	5.1.1.6.0
3.5.0	4.4.1.3.0	4.4.11.6.0	4.5.9.9.0	4.6.8.0.0	4.7.6.3.0	4.8.4.6.0	4.9.2.9.0	4.10.1.0.0	4.10.11.3.0	4.11.9.6.0	5.0.7.9.0	5.1.6.0.0
¼	4.4.5.0.9	4.5.3.4.6	4.6.1.8.3	4.7.0.0.0	4.7.10.3.9	4.8.8.7.6	4.9.6.11.3	4.10.5.3.0	4.11.3.6.9	5.0.1.10.6	5.1.0.2.3	5.1.10.6.0
½	4.4.8.10.6	4.5.7.3.0	4.6.5.7.6	4.7.4.0.0	4.8.2.4.6	4.9.0.9.0	4.9.11.1.6	4.10.9.6.0	4.11.7.10.6	5.0.6.3.0	5.1.4.7.6	5.2.3.0.0
¾	4.5.0.8.3	4.5.11.1.6	4.6.9.6.9	4.7.8.0.0	4.8.6.5.3	4.9.4.10.6	4.10.3.3.9	4.11.1.9.0	5.0.0.2.3	5.0.10.7.6	5.1.9.0.9	5.2.7.6.0
3.6.0	4.5.4.6.0	4.6.3.0.0	4.7.1.6.0	4.8.0.0.0	4.8.10.6.0	4.9.9.0.0	4.10.7.6.0	4.11.6.0.0	5.0.4.6.0	5.1.3.0.0	5.2.1.6.0	5.3.0.0.0
¼	4.5.8.3.9	4.6.6.10.6	4.7.5.5.3	4.8.4.0.0	4.9.2.6.9	4.10.1.1.6	4.10.11.8.3	4.11.10.3.0	5.0.8.9.9	5.1.7.4.6	5.2.5.11.3	5.3.4.6.0
½	4.6.0.1.6	4.6.10.9.0	4.7.9.4.6	4.8.8.0.0	4.9.6.7.6	4.10.5.3.0	4.11.3.10.6	5.0.2.6.0	5.1.1.1.6	5.1.11.9.0	5.2.10.4.6	5.3.9.0.0
¾	4.6.3.11.3	4.7.2.7.6	4.8.1.3.9	4.9.0.0.0	4.9.10.8.3	4.10.9.4.6	4.11.8.0.9	5.0.6.9.0	5.1.5.5.3	5.2.4.1.6	5.3.2.9.9	5.4.1.6.0
3.7.0	4.6.7.9.0	4.7.6.6.0	4.8.5.3.0	4.9.4.0.0	4.10.2.9.0	4.11.1.6.0	5.0.0.3.0	5.0.11.0.0	5.1.9.9.0	5.2.8.6.0	5.3.7.3.0	5.4.6.0.0
¼	4.6.11.6.9	4.7.10.4.6	4.8.9.2.3	4.9.8.0.0	4.10.6.9.9	4.11.5.7.6	5.0.4.5.3	5.1.3.3.0	5.2.2.0.9	5.3.0.10.6	5.3.11.8.3	5.4.10.6.0
½	4.7.3.4.6	4.8.2.3.0	4.9.1.1.6	4.10.0.0.0	4.10.10.10.6	4.11.9.9.0	5.0.8.7.6	5.1.7.6.0	5.2.6.4.6	5.3.5.3.0	5.4.4.1.6	5.5.3.0.0
¾	4.7.7.2.3	4.8.6.1.6	4.9.5.0.9	4.10.4.0.0	4.11.2.11.3	5.0.1.10.6	5.1.0.9.9	5.1.11.9.0	5.2.10.8.3	5.3.9.7.6	5.4.8.6.9	5.5.7.6.0
3.8.0	4.7.11.0.0	4.8.10.0.0	4.9.9.0.0	4.10.8.0.0	4.11.7.0.0	5.0.6.0.0	5.1.5.0.0	5.2.4.0.0	5.3.3.0.0	5.4.2.0.0	5.5.1.0.0	5.6.0.0.0
¼	4.8.2.9.9	4.9.1.10.6	4.10.0.11.3	4.11.0.0.0	4.11.11.0.9	5.0.10.1.6	5.1.9.2.3	5.2.8.3.0	5.3.7.3.9	5.4.6.4.6	5.5.5.5.3	5.6.4.6.0
½	4.8.6.7.6	4.9.5.9.0	4.10.4.10.6	4.11.4.0.0	5.0.3.1.6	5.1.2.3.0	5.2.1.4.6	5.3.0.6.0	5.3.11.7.6	5.4.10.9.0	5.5.9.10.6	5.6.9.0.0
¾	4.8.10.5.3	4.9.9.7.6	4.10.8.9.9	4.11.8.0.0	5.0.7.2.3	5.1.6.4.6	5.2.5.6.9	5.3.4.9.0	5.4.3.11.3	5.5.3.1.6	5.6.2.3.9	5.7.1.6.0
3.9.0	4.9.2.3.0	4.10.1.6.0	4.11.0.9.0	5.0.0.0.0	5.0.11.3.0	5.1.10.6.0	5.2.9.9.0	5.3.9.0.0	5.4.8.3.0	5.5.7.6.0	5.6.6.9.0	5.7.6.0.0
¼	4.9.6.0.9	4.10.5.4.6	4.11.4.8.3	5.0.4.0.0	5.1.3.3.9	5.2.2.7.6	5.3.1.11.3	5.4.1.3.0	5.5.0.6.9	5.5.11.10.6	5.6.11.2.3	5.7.10.6.0
½	4.9.9.10.6	4.10.9.3.0	4.11.8.7.6	5.0.8.0.0	5.1.7.4.6	5.2.6.9.0	5.3.6.1.6	5.4.5.6.0	5.5.4.10.6	5.6.4.3.0	5.7.3.7.6	5.8.3.0.0
¾	4.10.1.8.3	4.11.1.1.6	5.0.0.6.9	5.1.0.0.0	5.1.11.5.3	5.2.10.10.6	5.3.10.3.9	5.4.9.9.0	5.5.9.2.3	5.6.8.7.6	5.7.8.0.9	5.8.7.6.0
3.10.0	4.10.5.6.0	4.11.5.0.0	5.0.4.6.0	5.1.4.0.0	5.2.3.6.0	5.3.3.0.0	5.4.2.6.0	5.5.2.0.0	5.6.1.6.0	5.7.1.0.0	5.8.0.6.0	5.9.0.0.0
¼	4.10.9.3.9	4.11.8.10.6	5.0.8.5.3	5.1.8.0.0	5.2.7.6.9	5.3.7.1.6	5.4.6.8.3	5.5.6.3.0	5.6.5.9.9	5.7.5.4.6	5.8.4.11.3	5.9.4.6.0
½	4.11.1.1.6	5.0.0.9.0	5.1.0.4.6	5.2.0.0.0	5.2.11.7.6	5.3.11.3.0	5.4.10.10.6	5.5.10.6.0	5.6.10.1.6	5.7.9.9.0	5.8.9.4.6	5.9.9.0.0
¾	4.11.4.11.3	5.0.4.7.6	5.1.4.3.9	5.2.4.0.0	5.3.3.8.3	5.4.3.4.6	5.5.3.0.9	5.6.2.9.0	5.7.2.5.3	5.8.2.1.6	5.9.1.9.9	5.10.1.6.0
3.11.0	4.11.8.9.0	5.0.8.6.0	5.1.8.3.0	5.2.8.0.0	5.3.7.9.0	5.4.7.6.0	5.5.7.3.0	5.6.7.0.0	5.7.6.9.0	5.8.6.6.0	5.9.6.3.0	5.10.6.0.0
¼	5.0.0.6.9	5.1.0.4.6	5.2.0.2.3	5.3.0.0.0	5.3.11.9.9	5.4.11.7.6	5.5.11.5.3	5.6.11.3.0	5.7.11.0.9	5.8.10.10.6	5.9.10.8.3	5.10.10.6.0
½	5.0.4.4.6	5.1.4.3.0	5.2.4.1.6	5.3.4.0.0	5.4.3.10.6	5.5.3.9.0	5.6.3.7.6	5.7.3.6.0	5.8.3.4.6	5.9.3.3.0	5.10.3.1.6	5.11.3.0.0
¾	5.0.8.2.3	5.1.8.1.6	5.2.8.0.9	5.3.8.0.0	5.4.7.11.3	5.5.7.10.6	5.6.7.9.9	5.7.7.9.0	5.8.7.8.3	5.9.7.7.6	5.10.7.6.9	5.11.7.6.0
4.0.0	5.1.0.0.0	5.2.0.0.0	5.3.0.0.0	5.4.0.0.0	5.5.0.0.0	5.6.0.0.0	5.7.0.0.0	5.8.0.0.0	5.9.0.0.0	5.10.0.0.0	5.11.0.0.0	6.0.0.0.0
¼	5.1.3.9.9	5.2.3.10.6	5.3.3.11.3	5.4.4.0.0	5.5.4.0.9	5.6.4.1.6	5.7.4.2.3	5.8.4.3.0	5.9.4.3.9	5.10.4.4.6	5.11.4.5.3	6.0.4.6.0
½	5.1.7.7.6	5.2.7.9.0	5.3.7.10.6	5.4.8.0.0	5.5.8.1.6	5.6.8.3.0	5.7.8.4.6	5.8.8.6.0	5.9.8.7.6	5.10.8.9.0	5.11.8.10.6	6.0.9.0.0
¾	5.1.11.5.3	5.2.11.7.6	5.3.11.9.9	5.5.0.0.0	5.6.0.2.3	5.7.0.4.6	5.8.0.6.9	5.9.0.9.0	5.10.0.11.3	5.11.1.1.6	6.0.1.3.9	6.1.1.6.0
4.1.0	5.2.3.3.0	5.3.3.6.0	5.4.3.9.0	5.5.4.0.0	5.6.4.3.0	5.7.4.6.0	5.8.4.9.0	5.9.5.0.0	5.10.5.3.0	5.11.5.6.0	6.0.5.9.0	6.1.6.0.0
¼	5.2.7.0.9	5.3.7.4.6	5.4.7.8.3	5.5.8.0.0	5.6.8.3.9	5.7.8.7.6	5.8.8.11.3	5.9.9.3.0	5.10.9.6.9	5.11.9.10.6	6.0.10.2.3	6.1.10.6.0
½	5.2.10.10.6	5.3.11.3.0	5.4.11.7.6	5.6.0.0.0	5.7.0.4.6	5.8.0.9.0	5.9.1.1.6	5.10.1.6.0	5.11.1.10.6	6.0.2.3.0	6.1.2.7.6	6.2.3.0.0
¾	5.3.2.8.3	5.4.3.1.6	5.5.3.6.9	5.6.4.0.0	5.7.4.5.3	5.8.4.10.6	5.9.5.3.9	5.10.5.9.0	5.11.6.2.3	6.0.6.7.6	6.1.7.0.9	6.2.7.6.0
4.2.0	5.3.6.6.0	5.4.7.0.0	5.5.7.6.0	5.6.8.0.0	5.7.8.6.0	5.8.9.0.0	5.9.9.6.0	5.10.10.0.0	5.11.10.6.0	6.0.11.0.0	6.1.11.6.0	6.3.0.0.0
¼	5.3.10.3.9	5.4.10.10.6	5.5.11.5.3	5.7.0.0.0	5.8.0.6.9	5.9.1.1.6	5.10.1.8.3	5.11.2.3.0	6.0.2.9.9	6.1.3.4.6	6.2.3.11.3	6.3.4.6.0
½	5.4.2.1.6	5.5.2.9.0	5.6.3.4.6	5.7.4.0.0	5.8.4.7.6	5.9.5.3.0	5.10.5.10.6	5.11.6.6.0	6.0.7.1.6	6.1.7.9.0	6.2.8.4.6	6.3.9.0.0
¾	5.4.5.11.3	5.5.6.7.6	5.6.7.3.9	5.7.8.0.0	5.8.8.8.3	5.9.9.4.6	5.10.10.0.9	5.11.10.9.0	6.0.11.5.3	6.2.0.1.6	6.3.0.9.9	6.4.1.6.0
4.3.0	5.4.9.9.0	5.5.10.6.0	5.6.11.3.0	5.8.0.0.0	5.9.0.9.0	5.10.1.6.0	5.11.2.3.0	6.0.3.0.0	6.1.3.9.0	6.2.4.6.0	6.3.5.3.0	6.4.6.0.0
¼	5.5.1.6.9	5.6.2.4.6	5.7.3.2.3	5.8.4.0.0	5.9.4.9.9	5.10.5.7.6	5.11.6.5.3	6.0.7.3.0	6.1.8.0.9	6.2.8.10.6	6.3.9.8.3	6.4.10.6.0
½	5.5.5.4.6	5.6.6.3.0	5.7.7.1.6	5.8.8.0.0	5.9.8.10.6	5.10.9.9.0	5.11.10.7.6	6.0.11.6.0	6.2.0.4.6	6.3.1.3.0	6.4.2.1.6	6.5.3.0.0
¾	5.5.9.2.3	5.6.10.1.6	5.7.11.0.9	5.9.0.0.0	5.10.0.11.3	5.11.1.10.6	6.0.2.9.9	6.1.3.9.0	6.2.4.8.3	6.3.5.7.6	6.4.6.6.9	6.5.7.6.0
4.4.0	5.6.1.0.0	5.7.2.0.0	5.8.3.0.0	5.9.4.0.0	5.10.5.0.0	5.11.6.0.0	6.0.7.0.0	6.1.8.0.0	6.2.9.0.0	6.3.10.0.0	6.4.11.0.0	6.6.0.0.0
¼	5.6.4.9.9	5.7.5.10.6	5.8.6.11.3	5.9.8.0.0	5.10.9.0.9	5.11.10.1.6	6.0.11.2.3	6.2.0.3.0	6.3.1.3.9	6.4.2.4.6	6.5.3.5.3	6.6.4.6.0
½	5.6.8.7.6	5.7.9.9.0	5.8.10.10.6	5.10.0.0.0	5.11.1.1.6	6.0.2.3.0	6.1.3.4.6	6.2.4.6.0	6.3.5.7.6	6.4.6.9.0	6.5.7.10.6	6.6.9.0.0
¾	5.7.0.5.3	5.8.1.7.6	5.9.2.9.9	5.10.4.0.0	5.11.5.2.3	6.0.6.4.6	6.1.7.6.9	6.2.8.9.0	6.3.9.11.3	6.4.11.1.6	6.6.0.3.9	6.7.1.6.0
4.5.0	5.7.4.3.0	5.8.5.6.0	5.9.6.9.0	5.10.8.0.0	5.11.9.3.0	6.0.10.6.0	6.1.11.9.0	6.3.1.0.0	6.4.2.3.0	6.5.3.6.0	6.6.4.9.0	6.7.6.0.0
¼	5.7.8.0.9	5.8.9.4.6	5.9.10.8.3	5.11.0.0.0	6.0.1.3.9	6.1.2.7.6	6.2.3.11.3	6.3.5.3.0	6.4.6.6.9	6.5.7.10.6	6.6.9.2.3	6.7.10.6.0
½	5.7.11.10.6	5.9.1.3.0	5.10.2.7.6	5.11.4.0.0	6.0.5.4.6	6.1.6.9.0	6.2.8.1.6	6.3.9.6.0	6.4.10.10.6	6.6.0.3.0	6.7.1.7.6	6.8.3.0.0
¾	5.8.3.8.3	5.9.5.1.6	5.10.6.6.9	5.11.8.0.0	6.0.9.5.3	6.1.10.10.6	6.3.0.3.9	6.4.1.9.0	6.5.3.2.3	6.6.4.7.6	6.7.6.0.9	6.8.7.6.0
4.6.0	5.8.7.6.0	5.9.9.0.0	5.10.10.6.0	6.0.0.0.0	6.1.1.6.0	6.2.3.0.0	6.3.4.6.0	6.4.6.0.0	6.5.7.6.0	6.6.9.0.0	6.7.10.6.0	6.9.0.0.0
¼	5.8.11.3.9	5.10.0.10.6	5.11.2.5.3	6.0.4.0.0	6.1.5.6.9	6.2.7.1.6	6.3.8.8.3	6.4.10.3.0	6.5.11.9.9	6.7.1.4.6	6.8.2.11.3	6.9.4.6.0
½	5.9.3.1.6	5.10.4.9.0	5.11.6.4.6	6.0.8.0.0	6.1.9.7.6	6.2.11.3.0	6.4.0.10.6	6.5.2.6.0	6.6.4.1.6	6.7.5.9.0	6.8.7.4.6	6.9.9.0.0
¾	5.9.6.11.3	5.10.8.7.6	5.11.10.3.9	6.1.0.0.0	6.2.1.8.3	6.3.3.4.6	6.4.5.0.9	6.5.6.9.0	6.6.8.5.3	6.7.10.1.6	6.8.11.9.9	6.10.1.6.0
4.7.0	5.9.10.9.0	5.11.0.6.0	6.0.2.3.0	6.1.4.0.0	6.2.5.9.0	6.3.7.6.0	6.4.9.3.0	6.5.11.0.0	6.7.0.9.0	6.8.2.6.0	6.9.4.3.0	6.10.6.0.0
¼	5.10.2.6.9	5.11.4.4.6	6.0.6.2.3	6.1.8.0.0	6.2.9.9.9	6.3.11.7.6	6.5.1.5.3	6.6.3.3.0	6.7.5.0.9	6.8.6.10.6	6.9.8.8.3	6.10.10.6.0
½	5.10.6.4.6	5.11.8.3.0	6.0.10.1.6	6.2.0.0.0	6.3.1.10.6	6.4.3.9.0	6.5.5.7.6	6.6.7.6.0	6.7.9.4.6	6.8.11.3.0	6.10.1.1.6	6.11.3.0.0
¾	5.10.10.2.3	6.0.0.1.6	6.1.2.0.9	6.2.4.0.0	6.3.5.11.3	6.4.7.10.6	6.5.9.9.9	6.6.11.9.0	6.8.1.8.3	6.9.3.7.6	6.10.5.6.9	6.11.7.6.0
4.8.0	5.11.2.0.0	6.0.4.0.0	6.1.6.0.0	6.2.8.0.0	6.3.10.0.0	6.5.0.0.0	6.6.2.0.0	6.7.4.0.0	6.8.6.0.0	6.9.8.0.0	6.10.10.0.0	7.0.0.0.0
¼	5.11.5.9.9	6.0.7.10.6	6.1.9.11.3	6.3.0.0.0	6.4.2.0.9	6.5.4.1.6	6.6.6.2.3	6.7.8.3.0	6.8.10.3.9	6.10.0.4.6	6.11.2.5.3	7.0.4.6.0
½	5.11.9.7.6	6.0.11.9.0	6.2.1.10.6	6.3.4.0.0	6.4.6.1.6	6.5.8.3.0	6.6.10.4.6	6.8.0.6.0	6.9.2.7.6	6.10.4.9.0	6.11.6.10.6	7.0.9.0.0
¾	6.0.1.5.3	6.1.3.7.6	6.2.5.9.9	6.3.8.0.0	6.4.10.2.3	6.6.0.4.6	6.7.2.6.9	6.8.4.9.0	6.9.6.11.3	6.10.9.1.6	6.11.11.3.9	7.1.1.6.0
4.9.0	6.0.5.3.0	6.1.7.6.0	6.2.9.9.0	6.4.0.0.0	6.5.2.3.0	6.6.4.6.0	6.7.6.9.0	6.8.9.0.0	6.9.11.3.0	6.11.1.6.0	7.0.3.9.0	7.1.6.0.0
¼	6.0.9.0.9	6.1.11.4.6	6.3.1.8.3	6.4.4.0.0	6.5.6.3.9	6.6.8.7.6	6.7.10.11.3	6.9.1.3.0	6.10.3.6.9	6.11.5.10.6	7.0.8.2.3	7.1.10.6.0
½	6.1.0.10.6	6.2.3.3.0	6.3.5.7.6	6.4.8.0.0	6.5.10.4.6	6.7.0.9.0	6.8.3.1.6	6.9.5.6.0	6.10.7.10.6	6.11.10.3.0	7.1.0.7.6	7.2.3.0.0
¾	6.1.4.8.3	6.2.7.1.6	6.3.9.6.9	6.5.0.0.0	6.6.2.5.3	6.7.4.10.6	6.8.7.3.9	6.9.9.9.0	6.11.0.2.3	7.0.2.7.6	7.1.5.0.9	7.2.7.6.0
4.10.0	6.1.8.6.0	6.2.11.0.0	6.4.1.6.0	6.5.4.0.0	6.6.6.6.0	6.7.9.0.0	6.8.11.6.0	6.10.2.0.0	6.11.4.6.0	7.0.7.0.0	7.1.9.6.0	7.3.0.0.0
¼	6.2.0.3.9	6.3.2.10.6	6.4.5.5.3	6.5.8.0.0	6.6.10.6.9	6.8.1.1.6	6.9.3.8.3	6.10.6.3.0	6.11.8.9.9	7.0.11.4.6	7.2.1.11.3	7.3.4.6.0
½	6.2.4.1.6	6.3.6.9.0	6.4.9.4.6	6.6.0.0.0	6.7.2.7.6	6.8.5.3.0	6.9.7.10.6	6.10.10.6.0	7.0.1.1.6	7.1.3.9.0	7.2.6.4.6	7.3.9.0.0
¾	6.2.7.11.3	6.3.10.7.6	6.5.1.3.9	6.6.4.0.0	6.7.6.8.3	6.8.9.4.6	6.10.0.0.9	6.11.2.9.0	7.0.5.5.3	7.1.8.1.6	7.2.10.9.9	7.4.1.6.0
4.11.0	6.2.11.9.0	6.4.2.6.0	6.5.5.3.0	6.6.8.0.0	6.7.10.9.0	6.9.1.6.0	6.10.4.3.0	6.11.7.0.0	7.0.9.9.0	7.2.0.6.0	7.3.3.3.0	7.4.6.0.0
¼	6.3.3.6.9	6.4.6.4.6	6.5.9.2.3	6.7.0.0.0	6.8.2.9.9	6.9.5.7.6	6.10.8.5.3	6.11.11.3.0	7.1.2.0.9	7.2.4.10.6	7.3.7.8.3	7.4.10.6.0
½	6.3.7.4.6	6.4.10.3.0	6.6.1.1.6	6.7.4.0.0	6.8.6.10.6	6.9.9.9.0	6.11.0.7.6	7.0.3.6.0	7.1.6.4.6	7.2.9.3.0	7.4.0.1.6	7.5.3.0.0
¾	6.3.11.2.3	6.5.2.1.6	6.6.5.0.9	6.7.8.0.0	6.8.10.11.3	6.10.1.10.6	6.11.4.9.9	7.0.7.9.0	7.1.10.8.3	7.3.1.7.6	7.4.4.6.9	7.5.7.6.0

A TABLE OF FEET AND INCHES

from 5 foot by 1 foot 3 inches and 1 quarter to 7 foot 5 inches and 3 quarters by 1 foot 6 inches.

F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	1.3¼	1.3½	1.3¾	1.4.0	1.4¼	1.4½	1.4¾	1.5 0	1.5¼	1.5½	1.5¾	1.6.0
5.0.0	6.4.3.0.0	6.5.6.0.0	6.6.9.0.0	6.8.0.0.0	6.9.3.0.0	6.10.6.0.0	6.11.9.0.0	7.1.0.0.0	7.2.3.0.0	7.3.6.0.0	7.4.9.0.0	7.6.0.0.0
¼	6.4.6.9.9	6.5.9.10.6	6.7.0.11.3	6.8.4.0.0	6.9.7.0.9	6.10.10.1.6	7.0.1.2.3	7.1.4.3.0	7.2.7.3.9	7.3.10.4.6	7.5.1.5.3	7.6.4.6.0
½	6.4.10.7.6	6.6.1.9.0	6.7.4.10.6	6.8.8.0.0	6.9.11.1.6	6.11.2.3.0	7.0.5.4.6	7.1.8.6.0	7.2.11.7.6	7.4.2.9.0	7.5.5.10.6	7.6.9.0.0
¾	6.5.2.5.3	6.6.5.7.6	6.7.8.9.9	6.9.0.0.0	6.10.3.2.3	6.11.6.4.6	7.0.9.6.9	7.2.0.9.0	7.3.3.11.3	7.4.7.1.6	7.5.10.3.9	7.7.1.6.0
5.1.0	6.5.6.3.0	6.6.9.6.0	6.8.0.9.0	6.9.4.0.0	6.10.7.3.0	6.11.10.6.0	7.1.1.9.0	7.2.5.0.0	7.3.8.3.0	7.4.11.6.0	7.6.2.9.0	7.7.6.0.0
¼	6.5.10.0.9	6.7.1.4.6	6.8.4.8.3	6.9.8.0.0	6.10.11.3.9	7.0.2.7.6	7.1.5.11.3	7.2.9.3.0	7.4.0.6.9	7.5.3.10.6	7.6.7.2.3	7.7.10.6.0
½	6.6.1.10.6	6.7.5.3.0	6.8.8.7.6	6.10.0.0.0	6.11.3.4.6	7.0.6.9.0	7.1.10.1.6	7.3.1.6.0	7.4.4.10.6	7.5.8.3.0	7.6.11.7.6	7.8.3.0.0
¾	6.6.5.8.3	6.7.9.1.6	6.9.0.6.9	6.10.4.0.0	6.11.7.5.3	7.0.10.10.6	7.2.2.3.9	7.3.5.9.0	7.4.9.2.3	7.6.0.7.6	7.7.4.0.9	7.8.7.6.0
5.2.0	6.6.9.6.0	6.8.1.0.0	6.9.4.6.0	6.10.8.0.0	6.11.11.6.0	7.1.3.0.0	7.2.6.6.0	7.3.10.0.0	7.5.1.6.0	7.6.5.0.0	7.7.8.6.0	7.9.0.0.0
¼	6.7.1.3.9	6.8.4.10.6	6.9.8.5.3	6.11.0.0.0	7.0.3.6.9	7.1.7.1.6	7.2.10.8.3	7.4.2.3.0	7.5.5.9.9	7.6.9.4.6	7.8.0.11.3	7.9.4.6.0
½	6.7.5.1.6	6.8.8.9.0	6.10.0.4.6	6.11.4.0.0	7.0.7.7.6	7.1.11.3.0	7.3.2.10.6	7.4.6.6.0	7.5.10.1.6	7.7.1.9.0	7.8.5.4.6	7.9.9.0.0
¾	6.7.8.11.3	6.9.0.7.6	6.10.4.3.9	6.11.8.0.0	7.0.11.8.3	7.2.3.4.6	7.3.7.0.9	7.4.10.9.0	7.6.2.5.3	7.7.6.1.6	7.8.9.9.9	7.10.1.6.0
5.3.0	6.8.0.9.0	6.9.4.6.0	6.10.8.3.0	7.0.0.0.0	7.1.3.9.0	7.2.7.6.0	7.3.11.3.0	7.5.3.0.0	7.6.6.9.0	7.7.10.6.0	7.9.2.3.0	7.10.6.0.0
¼	6.8.4.6.9	6.9.8.4.6	6.11.0.2.3	7.0.4.0.0	7.1.7.9.9	7.2.11.7.6	7.4.3.5.3	7.5.7.3.0	7.6.11.0.9	7.8.2.10.6	7.9.6.8.3	7.10.10.6.0
½	6.8.8.4.6	6.10.0.3.0	6.11.4.1.6	7.0.8.0.0	7.1.11.10.6	7.3.3.9.0	7.4.7.7.6	7.5.11.6.0	7.7.3.4.6	7.8.7.3.0	7.9.11.1.6	7.11.3.0.0
¾	6.9.0.2.3	6.10.4.1.6	6.11.8.0.9	7.1.0.0.0	7.2.3.11.3	7.3.7.10.6	7.4.11.9.9	7.6.3.9.0	7.7.7.8.3	7.8.11.7.6	7.10.3.6.9	7.11.7.6.0
5.4.0	6.9.4.0.0	6.10.8.0.0	7.0.0.0.0	7.1.4.0.0	7.2.8.0.0	7.4.0.0.0	7.5.4.0.0	7.6.8.0.0	7.8.0.0.0	7.9.4.0.0	7.10.8.0.0	8.0.0.0.0
¼	6.9.7.9.9	6.10.11.10.6	7.0.3.11.3	7.1.8.0.0	7.3.0.0.9	7.4.4.1.6	7.5.8.2.3	7.7.0.3.0	7.8.4.3.9	7.9.8.4.6	7.11.0.5.3	8.0.4.6.0
½	6.9.11.7.6	6.11.3.9.0	7.0.7.10.6	7.2.0.0.0	7.3.4.1.6	7.4.8.3.0	7.6.0.4.6	7.7.4.6.0	7.8.8.7.6	7.10.0.9.0	7.11.4.10.6	8.0.9.0.0
¾	6.10.3.5.3	6.11.7.7.6	7.0.11.9.9	7.2.4.0.0	7.3.8.2.3	7.5.0.4.6	7.6.4.6.9	7.7.8.9.0	7.9.0.11.3	7.10.5.1.6	7.11.9.3.9	8.1.1.6.0
5.5.0	6.10.7.3.0	6.11.11.6.0	7.1.3.9.0	7.2.8.0.0	7.4.0.3.0	7.5.4.6.0	7.6.8.9.0	7.8.1.0.0	7.9.5.3.0	7.10.9.6.0	8.0.1.9.0	8.1.6.0.0
¼	6.10.11.0.9	7.0.3.4.6	7.1.7.8.3	7.3.0.0.0	7.4.4.3.9	7.5.8.7.6	7.7.0.11.3	7.8.5.3.0	7.9.9.6.9	7.11.1.10.6	8.0.6.2.3	8.1.10.6.0
½	6.11.2.10.6	7.0.7.3.0	7.1.11.7.6	7.3.4.0.0	7.4.8.4.6	7.6.0.9.0	7.7.5.1.6	7.8.9.6.0	7.10.1.10.6	7.11.6.3.0	8.0.10.7.6	8.2.3.0.0
¾	6.11.6.8.3	7.0.11.1.6	7.2.3.6.9	7.3.8.0.0	7.5.0.5.3	7.6.4.10.6	7.7.9.3.9	7.9.1.9.0	7.10.6.2.3	7.11.10.7.6	8.1.3.0.9	8.2.7.6.0
5.6.0	6.11.10.6.0	7.1.3.0.0	7.2.7.6.0	7.4.0.0.0	7.5.4.6.0	7.6.9.0.0	7.8.1.6.0	7.9.6.0.0	7.10.10.6.0	8.0.3.0.0	8.1.7.6.0	8.3.0.0.0
¼	7.0.2.3.9	7.1.6.10.6	7.2.11.5.3	7.4.4.0.0	7.5.8.6.9	7.7.1.1.6	7.8.5.8.3	7.9.10.3.0	7.11.2.9.9	8.0.7.4.6	8.1.11.11.3	8.3.4.6.0
½	7.0.6.1.6	7.1.10.9.0	7.3.3.4.6	7.4.8.0.0	7.6.0.7.6	7.7.5.3.0	7.8.9.10.6	7.10.2.6.0	7.11.7.1.6	8.0.11.9.0	8.2.4.4.6	8.3.9.0.0
¾	7.0.9.11.3	7.2.2.7.6	7.3.7.3.9	7.5.0.0.0	7.6.4.8.3	7.7.9.4.6	7.9.2.0.9	7.10.6.9.0	7.11.11.5.3	8.1.4.1.6	8.2.8.9.9	8.4.1.6.0
5.7.0	7.1.1.9.0	7.2.6.6.0	7.3.11.3.0	7.5.4.0.0	7.6.8.9.0	7.8.1.6.0	7.9.6.3.0	7.10.11.0.0	8.0.3.9.0	8.1.8.6.0	8.3.1.3.0	8.4.6.0.0
¼	7.1.5.6.9	7.2.10.4.6	7.4.3.2.3	7.5.8.0.0	7.7.0.9.9	7.8.5.7.6	7.9.10.5.3	7.11.3.3.0	8.0.8.0.9	8.2.0.10.6	8.3.5.8.3	8.4.10.6.0
½	7.1.9.4.6	7.3.2.3.0	7.4.7.1.6	7.6.0.0.0	7.7.4.10.6	7.8.9.9.0	7.10.2.7.6	7.11.7.6.0	8.1.0.4.6	8.2.5.3.0	8.3.10.1.6	8.5.3.0.0
¾	7.2.1.2.3	7.3.6.1.6	7.4.11.0.9	7.6.4.0.0	7.7.8.11.3	7.9.1.10.6	7.10.6.9.9	7.11.11.9.0	8.1.4.8.3	8.2.9.7.6	8.4.2.6.9	8.5.7.6.0
5.8.0	7.2.5.0.0	7.3.10.0.0	7.5.3.0.0	7.6.8.0.0	7.8.1.0.0	7.9.6.0.0	7.10.11.0.0	8.0.4.0.0	8.1.9.0.0	8.3.2.0.0	8.4.7.0.0	8.6.0.0.0
¼	7.2.8.9.9	7.4.1.10.6	7.5.6.11.3	7.7.0.0.0	7.8.5.0.9	7.9.10.1.6	7.11.3.2.3	8.0.8.3.0	8.2.1.3.9	8.3.6.4.6	8.4.11.5.3	8.6.4.6.0
½	7.3.0.7.6	7.4.5.9.0	7.5.10.10.6	7.7.4.0.0	7.8.9.1.6	7.10.2.3.0	7.11.7.4.6	8.1.0.6.0	8.2.5.7.6	8.3.10.9.0	8.5.3.10.6	8.6.9.0.0
¾	7.3.4.5.3	7.4.9.7.6	7.6.2.9.9	7.7.8.0.0	7.9.1.2.3	7.10.6.4.6	7.11.11.6.9	8.1.4.9.0	8.2.9.11.3	8.4.3.1.6	8.5.8.3.9	8.7.1.6.0
5.9.0	7.3.8.3.0	7.5.1.6.0	7.6.6.9.0	7.8.0.0.0	7.9.5.3.0	7.10.10.6.0	8.0.3.9.0	8.1.9.0.0	8.3.2.3.0	8.4.7.6.0	8.6.0.9.0	8.7.6.0.0
¼	7.4.0.0.9	7.5.5.4.6	7.6.10.8.3	7.8.4.0.0	7.9.9.3.9	7.11.2.7.6	8.0.7.11.3	8.2.1.3.0	8.3.6.6.9	8.4.11.10.6	8.6.5.2.3	8.7.10.6.0
½	7.4.3.10.6	7.5.9.3.0	7.7.2.7.6	7.8.8.0.0	7.10.1.4.6	7.11.6.9.0	8.1.0.1.6	8.2.5.6.0	8.3.10.10.6	8.5.4.3.0	8.6.9.7.6	8.8.3.0.0
¾	7.4.7.8.3	7.6.1.1.6	7.7.6.6.9	7.9.0.0.0	7.10.5.5.3	7.11.10.10.6	8.1.4.3.9	8.2.9.9.0	8.4.3.2.3	8.5.8.7.6	8.7.2.0.9	8.8.7.6.0
5.10.0	7.4.11.6.0	7.6.5.0.0	7.7.10.6.0	7.9.4.0.0	7.10.9.6.0	8.0.3.0.0	8.1.8.6.0	8.3.2.0.0	8.4.7.6.0	8.6.1.0.0	8.7.6.6.0	8.9.0.0.0
¼	7.5.3.3.9	7.6.8.10.6	7.8.2.5.3	7.9.8.0.0	7.11.1.6.9	8.0.7.1.6	8.2.0.8.3	8.3.6.3.0	8.4.11.9.9	8.6.5.4.6	8.7.10.11.3	8.9.4.6.0
½	7.5.7.1.6	7.7.0.9.0	7.8.6.4.6	7.10.0.0.0	7.11.5.7.6	8.0.11.3.0	8.2.4.10.6	8.3.10.6.0	8.5.4.1.6	8.6.9.9.0	8.8.3.4.6	8.9.9.0.0
¾	7.5.10.11.3	7.7.4.7.6	7.8.10.3.9	7.10.4.0.0	7.11.9.8.3	8.1.3.4.6	8.2.9.0.9	8.4.2.9.0	8.5.8.5.3	8.7.2.1.6	8.8.7.9.9	8.10.1.6.0
5.11.0	7.6.2.9.0	7.7.8.6.0	7.9.2.3.0	7.10.8.0.0	8.0.1.9.0	8.1.7.6.0	8.3.1.3.0	8.4.7.0.0	8.6.0.9.0	8.7.6.6.0	8.9.0.3.0	8.10.6.0.0
¼	7.6.6.6.9	7.8.0.4.6	7.9.6.2.3	7.11.0.0.0	8.0.5.9.9	8.1.11.7.6	8.3.5.5.3	8.4.11.3.0	8.6.5.0.9	8.7.10.10.6	8.9.4.8.3	8.10.10.6.0
½	7.6.10.4.6	7.8.4.3.0	7.9.10.1.6	7.11.4.0.0	8.0.9.10.6	8.2.3.9.0	8.3.9.7.6	8.5.3.6.0	8.6.9.4.6	8.8.3.3.0	8.9.9.1.6	8.11.3.0.0
¾	7.7.2.2.3	7.8.8.1.6	7.10.2.0.9	7.11.8.0.0	8.1.1.11.3	8.2.7.10.6	8.4.1.9.9	8.5.7.9.0	8.7.1.8.3	8.8.7.7.6	8.10.1.6.9	8.11.7.6.0
6.0.0	7.7.6.0.0	7.9.0.0.0	7.10.6.0.0	8.0.0.0.0	8.1.6.0.0	8.3.0.0.0	8.4.6.0.0	8.6.0.0.0	8.7.6.0.0	8.9.0.0.0	8.10.6.0.0	9.0.0.0.0
¼	7.7.9.9.9	7.9.3.10.6	7.10.9.11.3	8.0.4.0.0	8.1.10.0.9	8.3.4.1.6	8.4.10.2.3	8.6.4.3.0	8.7.10.3.9	8.9.4.4.6	8.10.10.5.3	9.0.4.6.0
½	7.8.1.7.6	7.9.7.9.0	7.11.1.10.6	8.0.8.0.0	8.2.2.1.6	8.3.8.3.0	8.5.2.4.6	8.6.8.6.0	8.8.2.7.6	8.9.8.9.0	8.11.2.10.6	9.0.9.0.0
¾	7.8.5.5.3	7.9.11.7.6	7.11.5.9.9	8.1.0.0.0	8.2.6.2.3	8.4.0.4.6	8.5.6.6.9	8.7.0.9.0	8.8.6.11.3	8.10.1.1.6	8.11.7.3.9	9.1.1.6.0
6.1.0	7.8.9.3.0	7.10.3.6.0	7.11.9.9.0	8.1.4.0.0	8.2.10.3.0	8.4.4.6.0	8.5.10.9.0	8.7.5.0.0	8.8.11.3.0	8.10.5.6.0	8.11.11.9.0	9.1.6.0.0
¼	7.9.1.0.9	7.10.7.4.6	8.0.1.8.3	8.1.8.0.0	8.3.2.3.9	8.4.8.7.6	8.6.2.11.3	8.7.9.3.0	8.9.3.6.9	8.10.9.10.6	9.0.4.2.3	9.1.10.6.0
½	7.9.4.10.6	7.10.11.3.0	8.0.5.7.6	8.2.0.0.0	8.3.6.4.6	8.5.0.9.0	8.6.7.1.6	8.8.1.6.0	8.9.7.10.6	8.11.2.3.0	9.0.8.7.6	9.2.3.0.0
¾	7.9.8.8.3	7.11.3.1.6	8.0.9.6.9	8.2.4.0.0	8.3.10.5.3	8.5.4.10.6	8.6.11.3.9	8.8.5.9.0	8.10.0.2.3	8.11.6.7.6	9.1.1.0.9	9.2.7.6.0
6.2.0	7.10.0.6.0	7.11.7.0.0	8.1.1.6.0	8.2.8.0.0	8.4.2.6.0	8.5.9.0.0	8.7.3.6.0	8.8.10.0.0	8.10.4.6.0	8.11.11.0.0	9.1.5.6.0	9.3.0.0.0
¼	7.10.4.3.9	7.11.10.10.6	8.1.5.5.3	8.3.0.0.0	8.4.6.6.9	8.6.1.1.6	8.7.7.8.3	8.9.2.3.0	8.10.8.9.9	9.0.3.4.6	9.1.9.11.3	9.3.4.6.0
½	7.10.8.1.6	8.0.2.9.0	8.1.9.4.6	8.3.4.0.0	8.4.10.7.6	8.6.5.3.0	8.7.11.10.6	8.9.6.6.0	8.11.1.1.6	9.0.7.9.0	9.2.2.4.6	9.3.9.0.0
¾	7.10.11.11.3	8.0.6.7.6	8.2.1.3.9	8.3.8.0.0	8.5.2.8.3	8.6.9.4.6	8.8.4.0.9	8.9.10.9.0	8.11.5.5.3	9.1.0.1.6	9.2.6.9.9	9.4.1.6.0
6.3.0	7.11.3.9.0	8.0.10.6.0	8.2.5.3.0	8.4.0.0.0	8.5.6.9.0	8.7.1.6.0	8.8.8.3.0	8.10.3.0.0	8.11.9.9.0	9.1.4.6.0	9.2.11.3.0	9.4.6.0.0
¼	7.11.7.6.9	8.1.2.4.6	8.2.9.2.3	8.4.4.0.0	8.5.10.9.9	8.7.5.7.6	8.9.0.5.3	8.10.7.3.0	9.0.2.0.9	9.1.8.10.6	9.3.3.8.3	9.4.10.6.0
½	7.11.11.4.6	8.1.6.3.0	8.3.1.1.6	8.4.8.0.0	8.6.2.10.6	8.7.9.9.0	8.9.4.7.6	8.10.11.6.0	9.0.6.4.6	9.2.1.3.0	9.3.8.1.6	9.5.3.0.0
¾	8.0.3.2.3	8.1.10.1.6	8.3.5.0.9	8.5.0.0.0	8.6.6.11.3	8.8.1.10.6	8.9.8.9.9	8.11.3.9.0	9.0.10.8.3	9.2.5.7.6	9.4.0.6.9	9.5.7.6.0
6.4.0	8.0.7.0.0	8.2.2.0.0	8.3.9.0.0	8.5.4.0.0	8.6.11.0.0	8.8.6.0.0	8.10.1.0.0	8.11.8.0.0	9.1.3.0.0	9.2.10.0.0	9.4.5.0.0	9.6.0.0.0
¼	8.0.10.9.9	8.2.5.10.6	8.4.0.11.3	8.5.8.0.0	8.7.3.0.9	8.8.10.1.6	8.10.5.2.3	9.0.0.3.0	9.1.7.3.9	9.3.2.4.6	9.4.9.5.3	9.6.4.6.0
½	8.1.2.7.6	8.2.9.9.0	8.4.4.10.6	8.6.0.0.0	8.7.7.1.6	8.9.2.3.0	8.10.9.4.6	9.0.4.6.0	9.1.11.7.6	9.3.6.9.0	9.5.1.10.6	9.6.9.0.0
¾	8.1.6.5.3	8.3.1.7.6	8.4.8.9.9	8.6.4.0.0	8.7.11.2.3	8.9.6.4.6	8.11.1.6.9	9.0.8.9.0	9.2.3.11.3	9.3.11.1.6	9.5.6.3.9	9.7.1.6.0
6.5.0	8.1.10.3.0	8.3.5.6.0	8.5.0.9.0	8.6.8.0.0	8.8.3.3.0	8.9.10.6.0	8.11.5.9.0	9.1.1.0.0	9.2.8.3.0	9.4.3.6.0	9.5.10.9.0	9.7.6.0.0
¼	8.2.2.0.9	8.3.9.4.6	8.5.4.8.3	8.7.0.0.0	8.8.7.3.9	8.10.2.7.6	8.11.9.11.3	9.1.5.3.0	9.3.0.6.9	9.4.7.10.6	9.6.3.2.3	9.7.10.6.0
½	8.2.5.10.6	8.4.1.3.0	8.5.8.7.6	8.7.4.0.0	8.8.11.4.6	8.10.6.9.0	9.0.2.1.6	9.1.9.6.0	9.3.4.10.6	9.5.0.3.0	9.6.7.7.6	9.8.3.0.0
¾	8.2.9.8.3	8.4.5.1.6	8.6.0.6.9	8.7.8.0.0	8.9.3.5.3	8.10.10.10.6	9.0.6.3.9	9.2.1.9.0	9.3.9.2.3	9.5.4.7.6	9.7.0.0.9	9.8.7.6.0
6.6.0	8.3.1.6.0	8.4.9.0.0	8.6.4.6.0	8.8.0.0.0	8.9.7.6.0	8.11.3.0.0	9.0.10.6.0	9.2.6.0.0	9.4.1.6.0	9.5.9.0.0	9.7.4.6.0	9.9.0.0.0
¼	8.3.5.3.9	8.5.0.10.6	8.6.8.5.3	8.8.4.0.0	8.9.11.6.9	8.11.7.1.6	9.1.2.8.3	9.2.10.3.0	9.4.5.9.9	9.6.1.4.6	9.7.8.11.3	9.9.4.6.0
½	8.3.9.1.6	8.5.4.9.0	8.7.0.4.6	8.8.8.0.0	8.10.3.7.6	8.11.11.3.0	9.1.6.10.6	9.3.2.6.0	9.4.10.1.6	9.6.5.9.0	9.8.1.4.6	9.9.9.0.0
¾	8.4.0.11.3	8.5.8.7.6	8.7.4.3.9	8.9.0.0.0	8.10.7.8.3	9.0.3.4.6	9.1.11.0.9	9.3.6.9.0	9.5.2.5.3	9.6.10.1.6	9.8.5.9.9	9.10.1.6.0
6.7.0	8.4.4.9.0	8.6.0.6.0	8.7.8.3.0	8.9.4.0.0	8.10.11.9.0	9.0.7.6.0	9.2.3.3.0	9.3.11.0.0	9.5.6.9.0	9.7.2.6.0	9.8.10.3.0	9.10.6.0.0
¼	8.4.8.6.9	8.6.4.4.6	8.8.0.2.3	8.9.8.0.0	8.11.3.9.9	9.0.11.7.6	9.2.7.5.3	9.4.3.3.0	9.5.11.0.9	9.7.6.10.6	9.9.2.8.3	9.10.10.6.0
½	8.5.0.4.6	8.6.8.3.0	8.8.4.1.6	8.10.0.0.0	8.11.7.10.6	9.1.3.9.0	9.2.11.7.6	9.4.7.6.0	9.6.3.4.6	9.7.11.3.0	9.9.7.1.6	9.11.3.0.0
¾	8.5.4.2.3	8.7.0.1.6	8.8.8.0.9	8.10.4.0.0	8.11.11.11.3	9.1.7.10.6	9.3.3.9.9	9.4.11.9.0	9.6.7.8.3	9.8.3.7.6	9.9.11.6.9	9.11.7.6.0
6.8.0	8.5.8.0.0	8.7.4.0.0	8.9.0.0.0	8.10.8.0.0	9.0.4.0.0	9.2.0.0.0	9.3.8.0.0	9.5.4.0.0	9.7.0.0.0	9.8.8.0.0	9.10.4.0.0	10.0.0.0.0
¼	8.5.11.9.9	8.7.7.10.6	8.9.3.11.3	8.11.0.0.0	9.0.8.0.9	9.2.4.1.6	9.4.0.2.3	9.5.8.3.0	9.7.4.3.9	9.9.0.4.6	9.10.8.5.3	10.0.4.6.0
½	8.6.3.7.6	8.7.11.9.0	8.9.7.10.6	8.11.4.0.0	9.1.0.1.6	9.2.8.3.0	9.4.4.4.6	9.6.0.6.0	9.7.8.7.6	9.9.4.9.0	9.11.0.10.6	10.0.9.0.0
¾	8.6.7.5.3	8.8.3.7.6	8.9.11.9.9	8.11.8.0.0	9.1.4.2.3	9.3.0.4.6	9.4.8.6.9	9.6.4.9.0	9.8.0.11.3	9.9.9.1.6	9.11.5.3.9	10.1.1.6.0
6.9.0	8.6.11.3.0	8.8.7.6.0	8.10.3.9.0	9.0.0.0.0	9.1.8.3.0	9.3.4.6.0	9.5.0.9.0	9.6.9.0.0	9.8.5.3.0	9.10.1.6.0	9.11.9.9.0	10.1.6.0.0
¼	8.7.3.0.9	8.8.11.4.6	8.10.7.8.3	9.0.4.0.0	9.2.0.3.9	9.3.8.7.6	9.5.4.11.3	9.7.1.3.0	9.8.9.6.9	9.10.5.10.6	10.0.2.2.3	10.1.10.6.0
½	8.7.6.10.6	8.9.3.3.0	8.10.11.7.6	9.0.8.0.0	9.2.4.4.6	9.4.0.9.0	9.5.9.1.6	9.7.5.6.0	9.9.1.10.6	9.10.10.3.0	10.0.6.7.6	10.2.3.0.0
¾	8.7.10.8.3	8.9.7.1.6	8.11.3.6.9	9.1.0.0.0	9.2.8.5.3	9.4.4.10.6	9.6.1.3.9	9.7.9.9.0	9.9.6.2.3	9.11.2.7.6	10.0.11.0.9	10.2.7.6.0
6.10.0	8.8.2.6.0	8.9.11.0.0	8.11.7.6.0	9.1.4.0.0	9.3.0.6.0	9.4.9.0.0	9.6.5.6.0	9.8.2.0.0	9.9.10.6.0	9.11.7.0.0	10.1.3.6.0	10.3.0.0.0
¼	8.8.6.3.9	8.10.2.10.6	8.11.11.5.3	9.1.8.0.0	9.3.4.6.9	9.5.1.1.6	9.6.9.8.3	9.8.6.3.0	9.10.2.9.9	9.11.11.4.6	10.1.7.11.3	10.3.4.6.0
½	8.8.10.1.6	8.10.6.9.0	9.0.3.4.6	9.2.0.0.0	9.3.8.7.6	9.5.5.3.0	9.7.1.10.6	9.8.10.6.0	9.10.7.1.6	10.0.3.9.0	10.2.0.4.6	10.3.9.0.0
¾	8.9.1.11.3	8.10.10.7.6	9.0.7.3.9	9.2.4.0.0	9.4.0.8.3	9.5.9.4.6	9.7.6.0.9	9.9.2.9.0	9.10.11.5.3	10.0.8.1.6	10.2.4.9.9	10.4.1.6.0
6.11.0	8.9.5.9.0	8.11.2.6.0	9.0.11.3.0	9.2.8.0.0	9.4.4.9.0	9.6.1.6.0	9.7.10.3.0	9.9.7.0.0	9.11.3.9.0	10.1.0.6.0	10.2.9.3.0	10.4.6.0.0
¼	8.9.9.6.9	8.11.6.4.6	9.1.3.2.3	9.3.0.0.0	9.4.8.9.9	9.6.5.7.6	9.8.2.5.3	9.9.11.3.0	9.11.8.0.9	10.1.4.10.6	10.3.1.8.3	10.4.10.6.0
½	8.10.1.4.6	8.11.10.3.0	9.1.7.1.6	9.3.4.0.0	9.5.0.10.6	9.6.9.9.0	9.8.6.7.6	9.10.3.6.0	10.0.0.4.6	10.1.9.3.0	10.3.6.1.6	10.5.3.0.0
¾	8.10.5.2.3	9.0.2.1.6	9.1.11.0.9	9.3.8.0.0	9.5.4.11.3	9.7.1.10.6	9.8.10.9.9	9.10.7.9.0	10.0.4.8.3	10.2.1.7.6	10.3.10.6.9	10.5.7.6.0
7.0.0	8.10.9.0.0	9.0.6.0.0	9.2.3.0.0	9.4.0.0.0	9.5.9.0.0	9.7.6.0.0	9.9.3.0.0	9.11.0.0.0	10.0.9.0.0	10.2.6.0.0	10.4.3.0.0	10.6.0.0.0
¼	8.11.0.9.9	9.0.9.10.6	9.2.6.11.3	9.4.4.0.0	9.6.1.0.9	9.7.10.1.6	9.9.7.2.3	9.11.4.3.0	10.1.1.3.9	10.2.10.4.6	10.4.7.5.3	10.6.4.6.0
½	8.11.4.7.6	9.1.1.9.0	9.2.10.10.6	9.4.8.0.0	9.6.5.1.6	9.8.2.3.0	9.9.11.4.6	9.11.8.6.0	10.1.5.7.6	10.3.2.9.0	10.4.11.10.6	10.6.9.0.0
¾	8.11.8.5.3	9.1.5.7.6	9.3.2.9.9	9.5.0.0.0	9.6.9.2.3	9.8.6.4.6	9.10.3.6.9	10.0.0.9.0	10.1.9.11.3	10.3.7.1.6	10.5.4.3.9	10.7.1.6.0
7.1.0	9.0.0.3.0	9.1.9.6.0	9.3.6.9.0	9.5.4.0.0	9.7.1.3.0	9.8.10.6.0	9.10.7.9.0	10.0.5.0.0	10.2.2.3.0	10.3.11.6.0	10.5.8.9.0	10.7.6.0.0
¼	9.0.4.0.9	9.2.1.4.6	9.3.10.8.3	9.5.8.0.0	9.7.5.3.9	9.9.2.7.6	9.10.11.11.3	10.0.9.3.0	10.2.6.6.9	10.4.3.10.6	10.6.1.2.3	10.7.10.6.0
½	9.0.7.10.6	9.2.5.3.0	9.4.2.7.6	9.6.0.0.0	9.7.9.4.6	9.9.6.9.0	9.11.4.1.6	10.1.1.6.0	10.2.10.10.6	10.4.8.3.0	10.6.5.7.6	10.8.3.0.0
¾	9.0.11.8.3	9.2.9.1.6	9.4.6.6.9	9.6.4.0.0	9.8.1.5.3	9.9.10.10.6	9.11.8.3.9	10.1.5.9.0	10.3.3.2.3	10.5.0.7.6	10.6.10.0.9	10.8.7.6.0
7.2.0	9.1.3.6.0	9.3.1.0.0	9.4.10.6.0	9.6.8.0.0	9.8.5.6.0	9.10.3.0.0	10.0.0.6.0	10.1.10.0.0	10.3.7.6.0	10.5.5.0.0	10.7.2.6.0	10.9.0.0.0
¼	9.1.7.3.9	9.3.4.10.6	9.5.2.5.3	9.7.0.0.0	9.8.9.6.9	9.10.7.1.6	10.0.4.8.3	10.2.2.3.0	10.3.11.9.9	10.5.9.4.6	10.7.6.11.3	10.9.4.6.0
½	9.1.11.1.6	9.3.8.9.0	9.5.6.4.6	9.7.4.0.0	9.9.1.7.6	9.10.11.3.0	10.0.8.10.6	10.2.6.6.0	10.4.4.1.6	10.6.1.9.0	10.7.11.4.6	10.9.9.0.0
¾	9.2.2.11.3	9.4.0.7.6	9.5.10.3.9	9.7.8.0.0	9.9.5.8.3	9.11.3.4.6	10.1.1.0.9	10.2.10.9.0	10.4.8.5.3	10.6.6.1.6	10.8.3.9.9	10.10.1.6.0
7.3.0	9.2.6.9.0	9.4.4.6.0	9.6.2.3.0	9.8.0.0.0	9.9.9.9.0	9.11.7.6.0	10.1.5.3.0	10.3.3.0.0	10.5.0.9.0	10.6.10.6.0	10.8.8.3.0	10.10.6.0.0
¼	9.2.10.6.9	9.4.8.4.6	9.6.6.2.3	9.8.4.0.0	9.10.1.9.9	9.11.11.7.6	10.1.9.5.3	10.3.7.3.0	10.5.5.0.9	10.7.2.10.6	10.9.0.8.3	10.10.10.6.0
½	9.3.2.4.6	9.5.0.3.0	9.6.10.1.6	9.8.8.0.0	9.10.5.10.6	10.0.3.9.0	10.2.1.7.6	10.3.11.6.0	10.5.9.4.6	10.7.7.3.0	10.9.5.1.6	10.11.3.0.0
¾	9.3.6.2.3	9.5.4.1.6	9.7.2.0.9	9.9.0.0.0	9.10.9.11.3	10.0.7.10.6	10.2.5.9.9	10.4.3.9.0	10.6.1.8.3	10.7.11.7.6	10.9.9.6.9	10.11.7.6.0
7.4.0	9.3.10.0.0	9.5.8.0.0	9.7.6.0.0	9.9.4.0.0	9.11.2.0.0	10.1.0.0.0	10.2.10.0.0	10.4.8.0.0	10.6.6.0.0	10.8.4.0.0	10.10.2.0.0	11.0.0.0.0
¼	9.4.1.9.9	9.5.11.10.6	9.7.9.11.3	9.9.8.0.0	9.11.6.0.9	10.1.4.1.6	10.3.2.2.3	10.5.0.3.0	10.6.10.3.9	10.8.8.4.6	10.10.6.5.3	11.0.4.6.0
½	9.4.5.7.6	9.6.3.9.0	9.8.1.10.6	9.10.0.0.0	9.11.10.1.6	10.1.8.3.0	10.3.6.4.6	10.5.4.6.0	10.7.2.7.6	10.9.0.9.0	10.10.10.10.6	11.0.9.0.0
¾	9.4.9.5.3	9.6.7.7.6	9.8.5.9.9	9.10.4.0.0	10.0.2.2.3	10.2.0.4.6	10.3.10.6.9	10.5.8.9.0	10.7.6.11.3	10.9.5.1.6	10.11.3.3.9	11.1.1.6.0
7.5.0	9.5.1.3.0	9.6.11.6.0	9.8.9.9.0	9.10.8.0.0	10.0.6.3.0	10.2.4.6.0	10.4.2.9.0	10.6.1.0.0	10.7.11.3.0	10.9.9.6.0	10.11.7.9.0	11.1.6.0.0
¼	9.5.5.0.9	9.7.3.4.6	9.9.1.8.3	9.11.0.0.0	10.0.10.3.9	10.2.8.7.6	10.4.6.11.3	10.6.5.3.0	10.8.3.6.9	10.10.1.10.6	11.0.0.2.3	11.1.10.6.0
½	9.5.8.10.6	9.7.7.3.0	9.9.5.7.6	9.11.4.0.0	10.1.2.4.6	10.3.0.9.0	10.4.11.1.6	10.6.9.6.0	10.8.7.10.6	10.10.6.3.0	11.0.4.7.6	11.2.3.0.0
¾	9.6.0.8.3	9.7.11.1.6	9.9.9.6.9	9.11.8.0.0	10.1.6.5.3	10.3.4.10.6	10.5.3.3.9	10.7.1.9.0	10.9.0.2.3	10.10.10.7.6	11.0.9.0.9	11.2.7.6.0

A TABLE OF FEET AND INCHES.

from 7 foot 6 inches by 1 foot 3 inches and 1 quarter to 9 foot 11 inches and 3 quarters by 1 foot 6 inches

F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	1.3¼	1.3½	1.3¾	1.4.0	1.4¼	1.4½	1.4¾	1.5.0	1.5¼	1.5½	1.5¾	1.6.0
7.6.0	9.6.4.6.0	9.8.3.0.0	9.10.1.6.0	10.0.0.0.0	10.1.10.6.0	10.3.9.0.0	10.5.7.6.0	10.7.6.0.0	10.9.4.6.0	10.11.3.0.0	11.1.1.6.0	11.3.0.0.0
¼	9.6.8.3.9	9.8.6.10.6	9.10.5.5.3	10.0.4.0.0	10.2.2.6.9	10.4.1.1.6	10.5.11.8.3	10.7.10.3.0	10.9.8.9.9	10.11.7.4.6	11.1.5.11.3	11.3.4.6.0
½	9.7.0.1.6	9.8.10.9.0	9.10.9.4.6	10.0.8.0.0	10.2.6.7.6	10.4.5.3.0	10.6.3.10.6	10.8.2.6.0	10.10.1.1.6	10.11.11.9.0	11.1.10.4.6	11.3.9.0.0
¾	9.7.3.11.3	9.9.2.7.6	9.11.1.3.9	10.1.0.0.0	10.2.10.8.3	10.4.9.4.6	10.6.8.0.9	10.8.6.9.0	10.10.5.5.3	11.0.4.1.6	11.2.2.9.9	11.4.1.6.0
7.7.0	9.7.7.9.0	9.9.6.6.0	9.11.5.3.0	10.1.4.0.0	10.3.2.9.0	10.5.1.6.0	10.7.0.3.0	10.8.11.0.0	10.10.9.9.0	11.0.8.6.0	11.2.7.3.0	11.4.6.0.0
¼	9.7.11.6.9	9.9.10.4.6	9.11.9.2.3	10.1.8.0.0	10.3.6.9.9	10.5.5.7.6	10.7.4.5.3	10.9.3.3.0	10.11.2.0.9	11.1.0.10.6	11.2.11.8.3	11.4.10.6.0
½	9.8.3.4.6	9.10.2.3.0	10.0.1.1.6	10.2.0.0.0	10.3.10.10.6	10.5.9.9.0	10.7.8.7.6	10.9.7.6.0	10.11.6.4.6	11.1.5.3.0	11.3.4.1.6	11.5.3.0.0
¾	9.8.7.2.3	9.10.6.1.6	10.0.5.0.9	10.2.4.0.0	10.3.2.11.3	10.6.1.10.6	10.8.0.9.9	10.9.11.9.0	10.11.10.8.3	11.1.9.7.6	11.3.8.6.9	11.5.7.6.0
7.8.0	9.8.11.0.0	9.10.10.0.0	10.0.9.0.0	10.2.8.0.0	10.4.7.0.0	10.6.6.0.0	10.8.5.0.0	10.10.4.0.0	11.0.3.0.0	11.2.2.0.0	11.4.1.0.0	11.6.0.0.0
¼	9.9.2.9.9	9.11.1.10.0	10.1.0.11.3	10.3.0.0.0	10.4.11.0.9	10.6.10.1.6	10.8.9.2.3	10.10.8.3.0	11.0.7.3.9	11.2.6.4.6	11.4.5.5.3	11.6.4.6.0
½	9.9.6.7.6	9.11.5.9.0	10.1.4.10.6	10.3.4.0.0	10.5.3.1.6	10.7.2.3.0	10.9.1.4.6	10.11.0.6.0	11.0.11.7.6	11.2.10.9.0	11.4.9.10.6	11.6.9.0.0
¾	9.9.10.5.3	9.11.9.7.6	10.1.8.9.9	10.3.8.0.0	10.5.7.2.3	10.7.6.4.6	10.9.5.6.9	10.11.4.9.0	11.1.3.11.3	11.3.3.1.6	11.5.2.3.9	11.7.1.6.0
7.9.0	9.10.2.3.0	10.0.1.6.0	10.2.0.9.0	10.4.0.0.0	10.5.11.3.0	10.7.10.6.0	10.9.9.9.0	10.11.9.0.0	11.1.8.3.0	11.3.7.6.0	11.5.6.9.0	11.7.6.0.0
¼	9.10.6.0.9	10.0.5.4.6	10.2.4.8.3	10.4.4.0.0	10.6.3.3.9	10.8.2.7.6	10.10.1.11.3	11.0.1.3.0	11.2.0.6.9	11.3.11.10.6	11.5.11.2.3	11.7.10.6.0
½	9.10.9.10.6	10.0.9.3.0	10.2.8.7.6	10.4.8.0.0	10.6.7.4.6	10.8.6.9.0	10.10.6.1.6	11.0.5.6.0	11.2.4.10.6	11.4.4.3.0	11.6.3.7.6	11.8.3.0.0
¾	9.11.1.8.3	10.1.1.1.6	10.3.0.6.9	10.5.0.0.0	10.6.11.5.3	10.8.10.10.6	10.10.10.3.9	11.0.9.9.0	11.2.9.2.3	11.4.8.7.6	11.6.8.0.9	11.8.7.6.0
7.10.0	9.11.5.6.0	10.1.5.0.0	10.3.4.6.0	10.5.4.0.0	10.7.3.6.0	10.9.3.0.0	10.11.2.6.0	11.1.2.0.0	11.3.1.6.0	11.5.1.0.0	11.7.0.6.0	11.9.0.0.0
¼	9.11.9.3.9	10.1.8.10.6	10.3.8.5.3	10.5.8.0.0	10.7.7.6.9	10.9.7.1.6	10.11.6.8.3	11.1.6.3.0	11.3.5.9.9	11.5.5.4.6	11.7.4.11.3	11.9.4.6.0
½	10.0.1.1.6	10.2.0.9.0	10.4.0.4.6	10.6.0.0.0	10.7.11.7.6	10.9.11.3.0	10.11.10.10.6	11.1.10.6.0	11.3.10.1.6	11.5.9.9.0	11.7.9.4.6	11.9.9.0.0
¾	10.0.4.11.3	10.2.4.7.6	10.4.4.3.9	10.6.4.0.0	10.8.3.8.3	10.10.3.4.6	11.0.3.0.9	11.2.2.9.0	11.4.2.5.3	11.6.2.1.6	11.8.1.9.9	11.10.1.6.0
7.11.0	10.0.8.9.0	10.2.8.6.0	10.4.8.3.0	10.6.8.0.0	10.8.7.9.0	10.10.7.6.0	11.0.7.3.0	11.2.7.0.0	11.4.6.9.0	11.6.6.6.0	11.8.6.3.0	11.10.6.0.0
¼	10.1.0.6.9	10.3.0.4.6	10.5.0.2.3	10.7.0.0.0	10.8.11.9.9	10.10.11.7.6	11.0.11.5.3	11.2.11.3.0	11.4.11.0.9	11.6.10.10.6	11.8.10.8.3	11.10.10.6.0
½	10.1.4.4.6	10.3.4.3.0	10.5.4.1.6	10.7.4.0.0	10.9.3.10.6	10.11.3.9.0	11.1.3.7.6	11.3.3.6.0	11.5.3.4.6	11.7.3.3.0	11.9.3.1.6	11.11.3.0.0
¾	10.1.8.2.3	10.3.8.1.6	10.5.8.0.9	10.7.8.0.0	10.9.7.11.3	10.11.7.10.6	11.1.7.9.9	11.3.7.9.0	11.5.7.8.3	11.7.7.7.6	11.9.7.6.9	11.11.7.6.0
8.0.0	10.2.0.0.0	10.4.0.0.0	10.6.0.0.0	10.8.0.0.0	10.10.0.0.0	11.0.0.0.0	11.2.0.0.0	11.4.0.0.0	11.6.0.0.0	11.8.0.0.0	11.10.0.0.0	12.0.0.0.0
¼	10.2.3.9.9	10.4.3.10.6	10.6.3.11.3	10.8.4.0.0	10.10.4.0.9	11.0.4.1.6	11.2.4.2.3	11.4.4.3.0	11.6.4.3.9	11.8.4.4.6	11.10.4.5.3	12.0.4.6.0
½	10.2.7.7.6	10.4.7.9.0	10.6.7.10.6	10.8.8.0.0	10.10.8.1.6	11.0.8.3.0	11.2.8.4.6	11.4.8.6.0	11.6.8.7.6	11.8.8.9.0	11.10.8.10.6	12.0.9.0.0
¾	10.2.11.5.3	10.4.11.7.6	10.6.11.9.9	10.9.0.0.0	10.11.0.2.3	11.1.0.4.6	11.3.0.6.9	11.5.0.9.0	11.7.0.11.3	11.9.1.1.6	11.11.1.3.9	12.1.1.6.0
8.1.0	10.3.3.3.0	10.5.3.6.0	10.7.3.9.0	10.9.4.0.0	10.11.4.3.0	11.1.4.6.0	11.3.4.9.0	11.5.5.0.0	11.7.5.3.0	11.9.5.6.0	11.11.5.9.0	12.1.6.0.0
¼	10.3.7.0.9	10.5.7.4.6	10.7.7.8.3	10.9.8.0.0	10.11.8.3.9	11.1.8.7.6	11.3.8.11.3	11.5.9.3.0	11.7.9.6.9	11.9.9.10.6	11.11.10.2.3	12.1.10.6.0
½	10.3.10.10.6	10.5.11.3.0	10.7.11.7.6	10.10.0.0.0	11.0.0.4.6	11.2.0.9.0	11.4.1.1.6	11.6.1.6.0	11.8.1.10.6	11.10.2.3.0	12.0.2.7.6	12.2.3.0.0
¾	10.4.2.8.3	10.6.3.1.6	10.8.3.6.9	10.10.4.0.0	11.0.4.5.3	11.2.4.10.6	11.4.5.3.9	11.6.5.9.0	11.8.6.2.3	11.10.6.7.6	12.0.7.0.9	12.2.7.6.0
8.2.0	10.4.6.6.0	10.6.7.0.0	10.8.7.6.0	10.10.8.0.0	11.0.8.6.0	11.2.9.0.0	11.4.9.6.0	11.6.10.0.0	11.8.10.6.0	11.10.11.0.0	12.0.11.6.0	12.3.0.0.0
¼	10.4.10.3.9	10.6.10.10.6	10.8.11.5.3	10.11.0.0.0	11.1.0.6.9	11.3.1.1.6	11.5.1.8.3	11.7.2.3.0	11.9.2.9.9	11.11.3.4.6	12.1.3.11.3	12.3.4.6.0
½	10.5.2.1.6	10.7.2.9.0	10.9.3.4.6	10.11.4.0.0	11.1.4.7.6	11.3.5.3.0	11.5.5.10.6	11.7.6.6.0	11.9.7.1.6	11.11.7.9.0	12.1.8.4.6	12.3.9.0.0
¾	10.5.5.11.3	10.7.6.7.6	10.9.7.3.9	10.11.8.0.0	11.1.8.8.3	11.3.9.4.6	11.5.10.0.9	11.7.10.9.0	11.9.11.5.3	12.0.0.1.6	12.2.0.9.9	12.4.1.6.0
8.3.0	10.5.9.9.0	10.7.10.6.0	10.9.11.3.0	11.0.0.0.0	11.2.0.9.0	11.4.1.6.0	11.6.2.3.0	11.8.3.0.0	11.10.3.9.0	12.0.4.6.0	12.2.5.3.0	12.4.6.0.0
¼	10.6.1.6.9	10.8.2.4.6	10.10.3.2.3	11.0.4.0.0	11.2.4.9.9	11.4.5.7.6	11.6.6.5.3	11.8.7.3.0	11.10.8.0.9	12.0.8.10.6	12.2.9.8.3	12.4.10.6.0
½	10.6.5.4.6	10.8.6.3.0	10.10.7.1.6	11.0.8.0.0	11.2.8.10.6	11.4.9.9.0	11.6.10.7.6	11.8.11.6.0	11.11.0.4.6	12.1.1.3.0	12.3.2.1.6	12.5.3.0.0
¾	10.6.9.2.3	10.8.10.1.6	10.10.11.0.9	11.1.0.0.0	11.3.0.11.3	11.5.1.10.6	11.7.2.9.9	11.9.3.9.0	11.11.4.8.3	12.1.5.7.6	12.3.6.6.9	12.5.7.6.0
8.4.0	10.7.1.0.0	10.9.2.0.0	10.11.3.0.0	11.1.4.0.0	11.3.5.0.0	11.5.6.0.0	11.7.7.0.0	11.9.8.0.0	11.11.9.0.0	12.1.10.0.0	12.3.11.0.0	12.6.0.0.0
¼	10.7.4.9.9	10.9.5.10.6	10.11.6.11.3	11.1.8.0.0	11.3.9.0.9	11.5.10.1.6	11.7.11.2.3	11.10.0.3.0	12.0.1.3.9	12.2.2.4.6	12.4.3.5.3	12.6.4.6.0
½	10.7.8.7.6	10.9.9.9.0	10.11.10.10.6	11.2.0.0.0	11.4.1.1.6	11.6.2.3.0	11.8.3.4.6	11.10.4.6.0	12.0.5.7.6	12.2.6.9.0	12.4.7.10.6	12.6.9.0.0
¾	10.8.0.5.3	10.10.1.7.6	11.0.2.9.9	11.2.4.0.0	11.4.5.2.3	11.6.6.4.6	11.8.7.6.9	11.10.8.9.0	12.0.9.11.3	12.2.11.1.6	12.5.0.3.9	12.7.1.6.0
8.5.0	10.8.4.3.0	10.10.5.6.0	11.0.6.9.0	11.2.8.0.0	11.4.9.3.0	11.6.10.6.0	11.8.11.9.0	11.11.1.0.0	12.1.2.3.0	12.3.3.6.0	12.5.4.9.0	12.7.6.0.0
¼	10.8.8.0.9	10.10.9.4.6	11.0.10.8.3	11.3.0.0.0	11.5.1.3.9	11.7.2.7.6	11.9.3.11.3	11.11.5.3.0	12.1.6.6.9	12.3.7.10.6	12.5.9.2.3	12.7.10.6.0
½	10.8.11.10.6	10.11.1.3.0	11.1.2.7.6	11.3.4.0.0	11.5.5.4.6	11.7.6.9.0	11.9.8.1.6	11.11.9.6.0	12.1.10.10.6	12.4.0.3.0	12.6.1.7.6	12.8.3.0.0
¾	10.9.3.8.3	10.11.5.1.6	11.1.6.6.9	11.3.8.0.0	11.5.9.5.3	11.7.10.10.6	11.10.0.3.9	12.0.1.9.0	12.2.3.2.3	12.4.4.7.6	12.6.6.0.9	12.8.7.6.0
8.6.0	10.9.7.6.0	10.11.9.0.0	11.1.10.6.0	11.4.0.0.0	11.6.1.6.0	11.8.3.0.0	11.10.4.6.0	12.0.6.0.0	12.2.7.6.0	12.4.9.0.0	12.6.10.6.0	12.9.0.0.0
¼	10.9.11.3.9	11.0.0.10.6	11.2.2.5.3	11.4.4.0.0	11.6.5.6.9	11.8.7.1.6	11.10.8.8.3	12.0.10.3.0	12.2.11.9.9	12.5.1.4.6	12.7.2.11.3	12.9.4.6.0
½	10.10.3.1.6	11.0.4.9.0	11.2.6.4.6	11.4.8.0.0	11.6.9.7.6	11.8.11.3.0	11.11.0.10.6	12.1.2.6.0	12.3.4.1.6	12.5.5.9.0	12.7.7.4.6	12.9.9.0.0
¾	10.10.6.11.3	11.0.8.7.6	11.2.10.3.9	11.5.0.0.0	11.7.1.8.3	11.9.3.4.6	11.11.5.0.9	12.1.6.9.0	12.3.8.5.3	12.5.10.1.6	12.7.11.9.9	12.10.1.6.0
8.7.0	10.10.10.9.0	11.1.0.6.0	11.3.2.3.0	11.5.4.0.0	11.7.5.9.0	11.9.7.6.0	11.11.9.3.0	12.1.11.0.0	12.4.0.9.0	12.6.2.6.0	12.8.4.3.0	12.10.6.0.0
¼	10.11.2.6.9	11.1.4.4.6	11.3.6.2.3	11.5.8.0.0	11.7.9.9.9	11.9.11.7.6	12.0.1.5.3	12.2.3.3.0	12.4.5.0.9	12.6.6.10.6	12.8.8.8.3	12.10.10.6.0
½	10.11.6.4.6	11.1.8.3.0	11.3.10.1.6	11.6.0.0.0	11.8.1.10.6	11.10.3.9.0	12.0.5.7.6	12.2.7.6.0	12.4.9.4.6	12.6.11.3.0	12.9.1.1.6	12.11.3.0.0
¾	10.11.10.2.3	11.2.0.1.6	11.4.2.0.9	11.6.4.0.0	11.8.5.11.3	11.10.7.10.6	12.0.9.9.9	12.2.11.9.0	12.5.1.8.3	12.7.3.7.6	12.9.5.6.9	12.11.7.6.0
8.8.0	11.0.2.0.0	11.2.4.0.0	11.4.6.0.0	11.6.8.0.0	11.8.10.0.0	11.11.0.0.0	12.1.2.0.0	12.3.4.0.0	12.5.6.0.0	12.7.8.0.0	12.9.10.0.0	13.0.0.0.0
¼	11.0.5.9.9	11.2.7.10.6	11.4.9.11.3	11.7.0.0.0	11.9.2.0.9	11.11.4.1.6	12.1.6.2.3	12.3.8.3.0	12.5.10.3.9	12.8.0.4.6	12.10.2.5.3	13.0.4.6.0
½	11.0.9.7.6	11.2.11.9.0	11.5.1.10.6	11.7.4.0.0	11.9.6.1.6	11.11.8.3.0	12.1.10.4.6	12.4.0.6.0	12.6.2.7.6	12.8.4.9.0	12.10.6.10.6	13.0.9.0.0
¾	11.1.1.5.3	11.3.3.7.6	11.5.5.9.9	11.7.8.0.0	11.9.10.2.3	12.0.0.4.6	12.2.2.6.9	12.4.4.9.0	12.6.6.11.3	12.8.9.1.6	12.10.11.3.9	13.1.1.6.0
8.9.0	11.1.5.3.0	11.3.7.6.0	11.5.9.9.0	11.8.0.0.0	11.10.2.3.0	12.0.4.6.0	12.2.6.9.0	12.4.9.0.0	12.6.11.3.0	12.9.1.6.0	12.11.3.9.0	13.1.6.0.0
¼	11.1.9.0.9	11.3.11.4.6	11.6.1.8.3	11.8.4.0.0	11.10.6.3.9	12.0.8.7.6	12.2.10.11.3	12.5.1.3.0	12.7.3.6.9	12.9.5.10.6	12.11.8.2.3	13.1.10.6.0
½	11.2.0.10.6	11.4.3.3.0	11.6.5.7.6	11.8.8.0.0	11.10.10.4.6	12.1.0.9.0	12.3.3.1.6	12.5.5.6.0	12.7.7.10.6	12.9.10.3.0	13.0.0.7.6	13.2.3.0.0
¾	11.2.4.8.3	11.4.7.1.6	11.6.9.6.9	11.9.0.0.0	11.11.2.5.3	12.1.4.10.6	12.3.7.3.9	12.5.9.9.0	12.8.0.2.3	12.10.2.7.6	13.0.5.0.9	13.2.7.6.0
8.10.0	11.2.8.6.0	11.4.11.0.0	11.7.1.6.0	11.9.4.0.0	11.11.6.6.0	12.1.9.0.0	12.3.11.6.0	12.6.2.0.0	12.8.4.6.0	12.10.7.0.0	13.0.9.6.0	13.3.0.0.0
¼	11.3.0.3.9	11.5.2.10.6	11.7.5.5.3	11.9.8.0.0	11.11.10.6.9	12.2.1.1.6	12.4.3.8.3	12.6.6.3.0	12.8.8.9.9	12.10.11.4.6	13.1.1.11.3	13.3.4.6.0
½	11.3.4.1.6	11.5.6.9.0	11.7.9.4.6	11.10.0.0.0	12.0.2.7.6	12.2.5.3.0	12.4.7.10.6	12.6.10.6.0	12.9.1.1.6	12.11.3.9.0	13.1.6.4.6	13.3.9.0.0
¾	11.3.7.11.3	11.5.10.7.6	11.8.1.3.9	11.10.4.0.0	12.0.6.8.3	12.2.9.4.6	12.5.0.0.9	12.7.2.9.0	12.9.5.5.3	12.11.8.1.6	13.1.10.9.9	13.4.1.6.0
8.11.0	11.3.11.9.0	11.6.2.6.0	11.8.5.3.0	11.10.8.0.0	12.0.10.9.0	12.3.1.6.0	12.5.4.3.0	12.7.7.0.0	12.9.9.9.0	13.0.0.6.0	13.2.3.3.0	13.4.6.0.0
¼	11.4.3.6.9	11.6.6.4.6	11.8.9.2.3	11.11.0.0.0	12.1.2.9.9	12.3.5.7.6	12.5.8.5.3	12.7.11.3.0	12.10.2.0.9	13.0.4.10.6	13.2.7.8.3	13.4.10.6.0
½	11.4.7.4.6	11.6.10.3.0	11.9.1.1.6	11.11.4.0.0	12.1.6.10.6	12.3.9.9.0	12.6.0.7.6	12.8.3.6.0	12.10.6.4.6	13.0.9.3.0	13.3.0.1.6	13.5.3.0.0
¾	11.4.11.2.3	11.7.2.1.6	11.9.5.0.9	11.11.8.0.0	12.1.10.11.3	12.4.1.10.6	12.6.4.9.9	12.8.7.9.0	12.10.10.8.3	13.1.1.7.6	13.3.4.6.9	13.5.7.6.0
9.0.0	11.5.3.0.0	11.7.6.0.0	11.9.9.0.0	12.0.0.0.0	12.2.3.0.0	12.4.6.0.0	12.6.9.0.0	12.9.0.0.0	12.11.3.0.0	13.1.6.0.0	13.3.9.0.0	13.6.0.0.0
¼	11.5.6.9.9	11.7.9.10.6	11.10.0.11.3	12.0.4.0.0	12.2.7.0.9	12.4.10.1.6	12.7.1.2.3	12.9.4.3.0	12.11.7.3.9	13.1.10.4.6	13.4.1.5.3	13.6.4.6.0
½	11.5.10.7.6	11.8.1.9.0	11.10.4.10.6	12.0.8.0.0	12.2.11.1.6	12.5.2.3.0	12.7.5.4.6	12.9.8.6.0	12.11.11.7.6	13.2.2.9.0	13.4.5.10.6	13.6.9.0.0
¾	11.6.2.5.3	11.8.5.7.6	11.10.8.9.9	12.1.0.0.0	12.3.3.2.3	12.5.6.4.6	12.7.9.6.9	12.10.0.9.0	13.0.3.11.3	13.2.7.1.6	13.4.10.3.9	13.7.1.6.0
9.1.0	11.6.6.3.0	11.8.9.6.0	11.11.0.9.0	12.1.4.0.0	12.3.7.3.0	12.5.10.6.0	12.8.1.9.0	12.10.5.0.0	13.0.8.3.0	13.2.11.6.0	13.5.2.9.0	13.7.6.0.0
¼	11.6.10.0.9	11.9.1.4.6	11.11.4.8.3	12.1.8.0.0	12.3.11.3.9	12.6.2.7.6	12.8.5.11.3	12.10.9.3.0	13.1.0.6.9	13.3.3.10.6	13.5.7.2.3	13.7.10.6.0
½	11.7.1.10.6	11.9.5.3.0	11.11.8.7.6	12.2.0.0.0	12.4.3.4.6	12.6.6.9.0	12.8.10.1.6	12.11.1.6.0	13.1.4.10.6	13.3.8.3.0	13.5.11.7.6	13.8.3.0.0
¾	11.7.5.8.3	11.9.9.1.6	12.0.0.6.9	12.2.4.0.0	12.4.7.5.3	12.6.10.10.6	12.9.2.3.9	12.11.5.9.0	13.1.9.2.3	13.4.0.7.6	13.6.4.0.9	13.8.7.6.0
9.2.0	11.7.9.6.0	11.10.1.0.0	12.0.4.6.0	12.2.8.0.0	12.4.11.6.0	12.7.3.0.0	12.9.6.6.0	12.11.10.0.0	13.2.1.6.0	13.4.5.0.0	13.6.8.6.0	13.9.0.0.0
¼	11.8.1.3.9	11.10.4.10.6	12.0.8.5.3	12.3.0.0.0	12.5.3.6.9	12.7.7.1.6	12.9.10.8.3	13.0.2.3.0	13.2.5.9.9	13.4.9.4.6	13.7.0.11.3	13.9.4.6.0
½	11.8.5.1.6	11.10.8.9.0	12.1.0.4.6	12.3.4.0.0	12.5.7.7.6	12.7.11.3.0	12.10.2.10.6	13.0.6.6.0	13.2.10.1.6	13.5.1.9.0	13.7.5.4.6	13.9.9.0.0
¾	11.8.8.11.3	11.11.0.7.6	12.1.4.3.9	12.3.8.0.0	12.5.11.8.3	12.8.3.4.6	12.10.7.0.9	13.0.10.9.0	13.3.2.5.3	13.5.6.1.6	13.7.9.9.9	13.10.1.6.0
9.3.0	11.9.0.9.0	11.11.4.6.0	12.1.8.3.0	12.4.0.0.0	12.6.3.9.0	12.8.7.6.0	12.10.11.3.0	13.1.3.0.0	13.3.6.9.0	13.5.10.6.0	13.8.2.3.0	13.10.6.0.0
¼	11.9.4.6.9	11.11.8.4.6	12.2.0.2.3	12.4.4.0.0	12.6.7.9.9	12.8.11.7.6	12.11.3.5.3	13.1.7.3.0	13.3.11.0.9	13.6.2.10.6	13.8.6.8.3	13.10.10.6.0
½	11.9.8.4.6	12.0.0.3.0	12.2.4.1.6	12.4.8.0.0	12.6.11.10.6	12.9.3.9.0	12.11.7.7.6	13.1.11.6.0	13.4.3.4.6	13.6.7.3.0	13.8.11.1.6	13.11.3.0.0
¾	11.10.0.2.3	12.0.4.1.6	12.2.8.0.9	12.5.0.0.0	12.7.3.11.3	12.9.7.10.6	12.11.11.9.9	13.2.3.9.0	13.4.7.8.3	13.6.11.7.6	13.9.3.6.9	13.11.7.6.0
9.4.0	11.10.4.0.0	12.0.8.0.0	12.3.0.0.0	12.5.4.0.0	12.7.8.0.0	12.10.0.0.0	13.0.4.0.0	13.2.8.0.0	13.5.0.0.0	13.7.4.0.0	13.9.8.0.0	14.0.0.0.0
¼	11.10.7.9.9	12.0.11.10.6	12.3.3.11.3	12.5.8.0.0	12.8.0.0.9	12.10.4.1.6	13.0.8.2.3	13.3.0.3.0	13.5.4.3.9	13.7.8.4.6	13.10.0.5.3	14.0.4.6.0
½	11.10.11.7.6	12.1.3.9.0	12.3.7.10.6	12.6.0.0.0	12.8.4.1.6	12.10.8.3.0	13.1.0.4.6	13.3.4.6.0	13.5.8.7.6	13.8.0.9.0	13.10.4.10.6	14.0.9.0.0
¾	11.11.3.5.3	12.1.7.7.6	12.3.11.9.9	12.6.4.0.0	12.8.8.2.3	12.11.0.4.6	13.1.4.6.9	13.3.8.9.0	13.6.0.11.3	13.8.5.1.6	13.10.9.3.9	14.1.1.6.0
9.5.0	11.11.7.3.0	12.1.11.6.0	12.4.3.9.0	12.6.8.0.0	12.9.0.3.0	12.11.4.6.0	13.1.8.9.0	13.4.1.0.0	13.6.5.3.0	13.8.9.6.0	13.11.1.9.0	14.1.6.0.0
¼	11.11.11.0.9	12.2.3.4.6	12.4.7.8.3	12.7.0.0.0	12.9.4.3.9	12.11.8.7.6	13.2.0.11.3	13.4.5.3.0	13.6.9.6.9	13.9.1.10.6	13.11.6.2.3	14.1.10.6.0
½	12.0.2.10.6	12.2.7.3.0	12.4.11.7.6	12.7.4.0.0	12.9.8.4.6	13.0.0.9.0	13.2.5.1.6	13.4.9.6.0	13.7.1.10.6	13.9.6.3.0	13.11.10.7.6	14.2.3.0.0
¾	12.0.6.8.3	12.2.11.1.6	12.5.3.6.9	12.7.8.0.0	12.10.0.5.3	13.0.4.10.6	13.2.9.3.9	13.5.1.9.0	13.7.6.2.3	13.9.10.7.6	14.0.3.0.9	14.2.7.6.0
9.6.0	12.0.10.6.0	12.3.3.0.0	12.5.7.6.0	12.8.0.0.0	12.10.4.6.0	13.0.9.0.0	13.3.1.6.0	13.5.6.0.0	13.7.10.6.0	13.10.3.0.0	14.0.7.6.0	14.3.0.0.0
¼	12.1.2.3.9	12.3.6.10.6	12.5.11.5.3	12.8.4.0.0	12.10.8.6.9	13.1.1.1.6	13.3.5.8.3	13.5.10.3.0	13.8.2.9.9	13.10.7.4.6	14.0.11.11.3	14.3.4.6.0
½	12.1.6.1.6	12.3.10.9.0	12.6.3.4.6	12.8.8.0.0	12.11.0.7.6	13.1.5.3.0	13.3.9.10.6	13.6.2.6.0	13.8.7.1.6	13.10.11.9.0	14.1.4.4.6	14.3.9.0.0
¾	12.1.9.11.3	12.4.2.7.6	12.6.7.3.9	12.9.0.0.0	12.11.4.8.3	13.1.9.4.6	13.4.2.0.9	13.6.6.9.0	13.8.11.5.3	13.11.4.1.6	14.1.8.9.9	14.4.1.6.0
9.7.0	12.2.1.9.0	12.4.6.6.0	12.6.11.3.0	12.9.4.0.0	12.11.8.9.0	13.2.1.6.0	13.4.6.3.0	13.6.11.0.0	13.9.3.9.0	13.11.8.6.0	14.2.1.3.0	14.4.6.0.0
¼	12.2.5.6.9	12.4.10.4.6	12.7.3.2.3	12.9.8.0.0	13.0.0.9.9	13.2.5.7.6	13.4.10.5.3	13.7.3.3.0	13.9.8.0.9	14.0.0.10.6	14.2.5.8.3	14.4.10.6.0
½	12.2.9.4.6	12.5.2.3.0	12.7.7.1.6	12.10.0.0.0	13.0.4.10.6	13.2.9.9.0	13.5.2.7.6	13.7.7.6.0	13.10.0.4.6	14.0.5.3.0	14.2.10.1.6	14.5.3.0.0
¾	12.3.1.2.3	12.5.6.1.6	12.7.11.0.9	12.10.4.0.0	13.0.8.11.3	13.3.1.10.6	13.5.6.9.9	13.7.11.9.0	13.10.4.8.3	14.0.9.7.6	14.3.2.6.9	14.5.7.6.0
9.8.0	12.3.5.0.0	12.5.10.0.0	12.8.3.0.0	12.10.8.0.0	13.1.1.0.0	13.3.6.0.0	13.5.11.0.0	13.8.4.0.0	13.10.9.0.0	14.1.2.0.0	14.3.7.0.0	14.6.0.0.0
¼	12.3.8.9.9	12.6.1.10.6	12.8.6.11.3	12.11.0.0.0	13.1.5.0.9	13.3.10.1.6	13.6.3.2.3	13.8.8.3.0	13.11.1.3.9	14.1.6.4.6	14.3.11.5.3	14.6.4.6.0
½	12.4.0.7.6	12.6.5.9.0	12.8.10.10.6	12.11.4.0.0	13.1.9.1.6	13.4.2.3.0	13.6.7.4.6	13.9.0.6.0	13.11.5.7.6	14.1.10.9.0	14.4.3.10.6	14.6.9.0.0
¾	12.4.4.5.3	12.6.9.7.6	12.9.2.9.9	12.11.8.0.0	13.2.1.2.3	13.4.6.4.6	13.6.11.6.9	13.9.4.9.0	13.11.9.11.3	14.2.3.1.6	14.4.8.3.9	14.7.1.6.0
9.9.0	12.4.8.3.0	12.7.1.6.0	12.9.6.9.0	13.0.0.0.0	13.2.5.3.0	13.4.10.6.0	13.7.3.9.0	13.9.9.0.0	14.0.2.3.0	14.2.7.6.0	14.5.0.9.0	14.7.6.0.0
¼	12.5.0.0.9	12.7.5.4.6	12.9.10.8.3	13.0.4.0.0	13.2.9.3.9	13.5.2.7.6	13.7.7.11.3	13.10.1.3.0	14.0.6.6.9	14.2.11.10.6	14.5.5.2.3	14.7.10.6.0
½	12.5.3.10.6	12.7.9.3.0	12.10.2.7.6	13.0.8.0.0	13.3.1.4.6	13.5.6.9.0	13.8.0.1.6	13.10.5.6.0	14.0.10.10.6	14.3.4.3.0	14.5.9.7.6	14.8.3.0.0
¾	12.5.7.8.3	12.8.1.1.6	12.10.6.6.9	13.1.0.0.0	13.3.5.5.3	13.5.10.10.6	13.8.4.3.9	13.10.9.9.0	14.1.3.2.3	14.3.8.7.6	14.6.2.0.9	14.8.7.6.0
9.10.0	12.5.11.6.0	12.8.5.0.0	12.10.10.6.0	13.1.4.0.0	13.3.9.9.0	13.6.3.0.0	13.8.8.6.0	13.11.2.0.0	14.1.7.6.0	14.4.1.0.0	14.6.6.6.0	14.9.0.0.0
¼	12.6.3.3.9	12.8.8.10.6	12.11.2.5.3	13.1.8.0.0	13.4.1.9.9	13.6.7.1.6	13.9.0.8.3	13.11.6.3.0	14.1.11.9.9	14.4.5.4.6	14.6.10.11.3	14.9.4.6.0
½	12.6.7.1.6	12.9.0.9.0	12.11.6.4.6	13.2.0.0.0	13.4.5.10.6	13.6.11.3.0	13.9.4.10.6	13.11.10.6.0	14.2.4.1.6	14.4.9.9.0	14.7.3.4.6	14.9.9.0.0
¾	12.6.10.11.3	12.9.4.7.6	12.11.10.3.9	13.2.4.0.0	13.4.9.8.3	13.7.3.4.6	13.9.9.0.9	14.0.2.9.0	14.2.8.5.3	14.5.2.1.6	14.7.7.9.9	14.10.1.6.0
9.11.0	12.7.2.9.0	12.9.8.6.0	13.0.2.3.0	13.2.8.0.0	13.5.1.9.0	13.7.7.6.0	13.10.1.3.0	14.0.7.0.0	14.3.0.9.0	14.5.6.6.0	14.8.0.3.0	14.10.6.0.0
¼	12.7.6.6.9	12.10.0.4.6	13.0.6.2.3	13.3.0.0.0	13.5.5.9.9	13.7.11.7.6	13.10.5.5.3	14.0.11.3.0	14.3.5.0.9	14.5.10.10.6	14.8.4.8.3	14.10.10.6.0
½	12.7.10.4.6	12.10.4.3.0	13.0.10.1.6	13.3.4.0.0	13.5.9.10.6	13.8.3.9.0	13.10.9.7.6	14.1.3.6.0	14.3.9.4.6	14.6.3.3.0	14.8.9.1.6	14.11.3.0.0
¾	12.8.2.2.3	12.10.8.1.6	13.1.2.0.9	13.3.8.0.0	13.6.1.11.3	13.8.7.10.6	13.11.1.9.9	14.1.7.9.0	14.4.1.8.3	14.6.7.7.6	14.9.1.6.9	14.11.7.6.0

A TABLE OF FEET AND INCHES

from 10 foot by 1 foot 3 inches and 1 quarter to 12 foot 5 inches and 3 quarters by 1 foot 6 inches.

F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts	F.I.Parts
	1.3¼	1.3½	1.3¾	1.4.0	1.4¼	1.4½	1.4¾	1.5.0	1.5¼	1.5½	1.5¾	1.6.0
10.0.0	12.8.6.0.0	12.11.0.0.0	13.1.6.0.0	13.4.0.0.0	13.6.6.0.0	13.9.0.0.0	13.11.6.0.0	14.2.0.0.0	14.4.6.0.0	14.7.0.0.0	14.9.6.0.0	15.0.0.0.0
¼	12.8.9.0.9	12.11.3.10.6	13.1.9.11.3	13.4.4.0.0	13.6.10.0.9	13.9.4.1.6	13.11.10.2.3	14.2.4.3.0	14.4.10.3.9	14.7.4.4.6	14.9.10.5.3	15.0.4.6.0
½	12.9.1.7.6	12.11.7.9.0	13.2.1.10.6	13.4.8.0.0	13.7.2.1.6	13.9.8.3.0	14.0.2.4.6	14.2.8.6.0	14.5.2.7.6	14.7.8.9.0	14.10.2.10.6	15.0.9.0.0
¾	12.9.5.5.3	12.11.11.7.6	13.2.5.9.9	13.5.0.0.0	13.7.6.2.3	13.10.0.4.6	14.0.6.6.9	14.3.0.9.0	14.5.6.11.3	14.8.1.1.6	14.10.7.3.9	15.1.1.6.0
10.1.0	12.9.9.3.0	13.0.3.6.0	13.2.9.9.0	13.5.4.0.0	13.7.10.3.0	13.10.4.6.0	14.0.10.9.0	14.3.5.0.0	14.5.11.3.0	14.8.5.6.0	14.10.11.9.0	15.1.6.0.0
¼	12.10.1.0.9	13.0.7.4.6	13.3.1.8.3	13.5.8.0.0	13.8.2.3.9	13.10.8.7.6	14.1.2.11.3	14.3.9.3.0	14.6.3.6.9	14.8.9.10.6	14.11.4.2.3	15.1.10.6.0
½	12.10.4.10.6	13.0.11.3.0	13.3.5.7.6	13.6.0.0.0	13.8.6.4.6	13.11.0.9.0	14.1.7.1.6	14.4.1.6.0	14.6.7.10.6	14.9.2.3.0	14.11.8.7.6	15.2.3.0.0
¾	12.10.8.8.3	13.1.3.1.6	13.3.9.6.9	13.6.4.0.0	13.8.10.5.3	13.11.4.10.6	14.1.11.3.9	14.4.5.9.0	14.7.0.2.3	14.9.6.7.6	15.0.1.0.9	15.2.7.6.0
10.2.0	12.11.6.6.0	13.1.7.0.0	13.4.1.6.0	13.6.8.0.0	13.9.2.6.0	13.11.9.0.0	14.2.3.6.0	14.4.10.0.0	14.7.4.6.0	14.9.11.0.0	15.0.5.6.0	15.3.0.0.0
¼	12.11.4.3.9	13.1.10.10.6	13.4.5.5.3	13.7.0.0.0	13.9.6.6.9	14.0.1.1.6	14.2.7.8.3	14.5.2.3.0	14.7.8.9.9	14.10.3.4.6	15.0.9.11.3	15.3.4.6.0
½	12.11.8.1.6	13.2.2.9.0	13.4.9.4.6	13.7.4.0.0	13.9.10.7.6	14.0.5.3.0	14.2.11.10.6	14.5.6.6.0	14.8.1.1.6	14.10.7.9.0	15.1.2.4.6	15.3.9.0.0
¾	12.11.11.11.3	13.2.6.7.6	13.5.1.3.9	13.7.8.0.0	13.10.2.8.3	14.0.9.4.6	14.3.4.0.9	14.5.10.9.0	14.8.5.5.3	14.11.0.1.6	15.1.6.9.9	15.4.1.6.0
10.3.0	13.0.3.9.0	13.2.10.6.0	13.5.5.3.0	13.8.0.0.0	13.10.6.9.0	14.1.1.6.0	14.3.8.3.0	14.6.3.0.0	14.8.9.9.0	14.11.4.6.0	15.1.11.3.0	15.4.6.0.0
¼	13.0.7.6.9	13.3.2.4.6	13.5.9.2.3	13.8.4.0.0	13.10.10.9.9	14.1.5.7.6	14.4.0.5.3	14.6.7.3.0	14.9.2.0.9	14.11.8.10.6	15.2.3.8.3	15.4.10.6.0
½	13.0.11.4.6	13.3.6.3.0	13.6.1.1.6	13.8.8.0.0	13.11.2.10.6	14.1.9.9.0	14.4.4.7.6	14.6.11.6.0	14.9.6.4.6	15.0.1.3.0	15.2.8.1.6	15.5.3.0.0
¾	13.1.3.2.3	13.3.10.1.6	13.6.5.0.9	13.9.0.0.0	13.11.6.11.3	14.2.1.10.6	14.4.8.9.9	14.7.3.9.0	14.9.10.8.3	15.0.5.7.6	15.3.0.6.9	15.5.7.6.0
10.4.0	13.1.7.0.0	13.4.2.0.0	13.6.9.0.0	13.9.4.0.0	13.11.11.0.0	14.2.6.0.0	14.5.1.0.0	14.7.8.0.0	14.10.3.0.0	15.0.10.0.0	15.3.5.0.0	15.6.0.0.0
¼	13.1.10.9.9	13.4.5.10.6	13.7.0.11.3	13.9.8.0.0	14.0.3.0.9	14.2.10.1.6	14.5.5.2.3	14.8.0.3.0	14.10.7.3.9	15.1.2.4.6	15.3.9.5.3	15.6.4.6.0
½	13.2.2.7.6	13.4.9.9.0	13.7.4.10.6	13.10.0.0.0	14.0.7.1.6	14.3.2.3.0	14.5.9.4.6	14.8.4.6.0	14.10.11.7.6	15.1.6.9.0	15.4.1.10.6	15.6.9.0.0
¾	13.2.6.5.3	13.5.1.7.6	13.7.8.9.9	13.10.4.0.0	14.0.11.2.3	14.3.6.4.6	14.6.1.6.9	14.8.8.9.0	14.11.3.11.3	15.1.11.1.6	15.4.6.3.9	15.7.1.6.0
10.5.0	13.2.10.3.0	13.5.5.6.0	13.8.0.9.0	13.10.8.0.0	14.1.3.3.0	14.3.10.6.0	14.6.5.9.0	14.9.1.0.0	14.11.8.3.0	15.2.3.6.0	15.4.10.9.0	15.7.6.0.0
¼	13.3.2.0.9	13.5.9.4.6	13.8.4.8.3	13.11.0.0.0	14.1.7.3.9	14.4.2.7.6	14.6.9.11.3	14.9.5.3.0	15.0.0.6.9	15.2.7.10.6	15.5.3.2.3	15.7.10.6.0
½	13.3.5.10.6	13.6.1.3.0	13.8.8.7.6	13.11.4.0.0	14.1.11.4.6	14.4.6.9.0	14.7.2.1.6	14.9.9.6.0	15.0.4.10.6	15.3.0.3.0	15.5.7.7.6	15.8.3.0.0
¾	13.3.9.8.3	13.6.5.1.6	13.9.0.6.9	13.11.8.0.0	14.2.3.5.3	14.4.10.10.6	14.7.6.3.9	14.10.1.9.0	15.0.9.2.3	15.3.4.7.6	15.6.0.0.9	15.8.7.6.0
10.6.0	13.4.1.6.0	13.6.9.0.0	13.9.4.6.0	14.0.0.0.0	14.2.7.6.0	14.5.3.0.0	14.7.10.6.0	14.10.6.0.0	15.1.1.6.0	15.3.9.0.0	15.6.4.6.0	15.9.0.0.0
¼	13.4.5.3.9	13.7.0.10.6	13.9.8.5.3	14.0.4.0.0	14.2.11.6.9	14.5.7.1.6	14.8.2.8.3	14.10.10.3.0	15.1.5.9.9	15.4.1.4.6	15.6.8.11.3	15.9.4.6.0
½	13.4.9.1.6	13.7.4.9.0	13.10.0.4.6	14.0.8.0.0	14.3.3.7.6	14.5.11.3.0	14.8.6.10.6	14.11.2.6.0	15.1.10.1.6	15.4.5.9.0	15.7.1.4.6	15.9.9.0.0
¾	13.5.0.11.3	13.7.8.7.6	13.10.4.3.9	14.1.0.0.0	14.3.7.8.3	14.6.3.4.6	14.8.11.0.9	14.11.6.9.0	15.2.2.5.3	15.4.10.1.6	15.7.5.9.9	15.10.1.6.0
10.7.0	13.5.4.9.0	13.8.0.6.0	13.10.8.3.0	14.1.4.0.0	14.3.11.9.0	14.6.7.6.0	14.9.3.3.0	14.11.11.0.0	15.2.6.9.0	15.5.2.6.0	15.7.10.3.0	15.10.6.0.0
¼	13.5.8.6.9	13.8.4.4.6	13.11.0.2.3	14.1.8.0.0	14.4.3.9.9	14.6.11.7.6	14.9.7.5.3	15.0.3.3.0	15.2.11.0.9	15.5.6.10.6	15.8.2.8.3	15.10.10.6.0
½	13.6.0.4.6	13.8.8.3.0	13.11.4.1.6	14.2.0.0.0	14.4.7.10.6	14.7.3.9.0	14.9.11.7.6	15.0.7.6.0	15.3.3.4.6	15.5.11.3.0	15.8.7.1.6	15.11.3.0.0
¾	13.6.4.2.3	13.9.0.1.6	13.11.8.0.9	14.2.4.0.0	14.4.11.11.3	14.7.7.10.6	14.10.3.9.9	15.0.11.9.0	15.3.7.8.3	15.6.3.7.6	15.8.11.6.9	15.11.7.6.0
10.8.0	13.6.8.0.0	13.9.4.0.0	14.0.0.0.0	14.2.8.0.0	14.5.4.0.0	14.8.0.0.0	14.10.8.0.0	15.1.4.0.0	15.4.0.0.0	15.6.8.0.0	15.9.4.0.0	16.0.0.0.0
¼	13.6.11.9.9	13.9.7.10.6	14.0.3.11.3	14.3.0.0.0	14.5.8.0.9	14.8.4.1.6	14.11.0.2.3	15.1.8.3.0	15.4.4.3.9	15.7.0.4.6	15.9.8.5.3	16.0.4.6.0
½	13.7.3.7.6	13.9.11.9.0	14.0.7.10.6	14.3.4.0.0	14.6.0.1.6	14.8.8.3.0	14.11.4.4.6	15.2.0.6.0	15.4.8.7.6	15.7.4.9.0	15.10.0.10.6	16.0.9.0.0
¾	13.7.7.5.3	13.10.3.7.6	14.0.11.9.9	14.3.8.0.0	14.6.4.2.3	14.9.0.4.6	14.11.8.6.9	15.2.4.9.0	15.5.0.11.3	15.7.9.1.6	15.10.5.3.9	16.1.1.6.0
10.9.0	13.7.11.3.0	13.10.7.6.0	14.1.3.9.0	14.4.0.0.0	14.6.8.3.0	14.9.4.6.0	15.0.0.9.0	15.2.9.0.0	15.5.5.3.0	15.8.1.6.0	15.10.9.9.0	16.1.6.0.0
¼	13.8.3.0.9	13.10.11.4.6	14.1.7.8.3	14.4.4.0.0	14.7.0.3.9	14.9.8.7.6	15.0.4.11.3	15.3.1.3.0	15.5.9.6.9	15.8.5.10.6	15.11.2.2.3	16.1.10.6.0
½	13.8.6.10.6	13.11.3.3.0	14.1.11.7.6	14.4.8.0.0	14.7.4.4.6	14.10.0.9.0	15.0.9.1.6	15.3.5.6.0	15.6.1.10.6	15.8.10.3.0	15.11.6.7.6	16.2.3.0.0
¾	13.8.10.8.3	13.11.7.1.6	14.2.3.6.9	14.5.0.0.0	14.7.8.5.3	14.10.4.10.6	15.1.1.3.9	15.3.9.9.0	15.6.6.2.3	15.9.2.7.6	15.11.11.0.9	16.2.7.6.0
10.10.0	13.9.2.6.0	13.11.11.0.0	14.2.7.6.0	14.5.4.0.0	14.8.0.6.0	14.10.9.0.0	15.1.5.6.0	15.4.2.0.0	15.6.10.6.0	15.9.7.0.0	16.0.3.6.0	16.3.0.0.0
¼	13.9.6.3.9	14.0.2.10.6	14.2.11.5.3	14.5.8.0.0	14.8.4.6.9	14.11.1.1.6	15.1.9.8.3	15.4.6.3.0	15.7.2.9.9	15.9.11.4.6	16.0.7.11.3	16.3.4.6.0
½	13.9.10.1.6	14.0.6.9.0	14.3.3.4.6	14.6.0.0.0	14.8.8.7.6	14.11.5.3.0	15.2.1.10.6	15.4.10.6.0	15.7.7.1.6	15.10.3.9.0	16.1.0.4.6	16.3.9.0.0
¾	13.10.1.11.3	14.0.10.7.6	14.3.7.3.9	14.6.4.0.0	14.9.0.8.3	14.11.9.4.6	15.2.6.0.9	15.5.2.9.0	15.7.11.5.3	15.10.8.1.6	16.1.4.9.9	16.4.1.6.0
10.11.0	13.10.5.9.0	14.1.2.6.0	14.3.11.3.0	14.6.8.0.0	14.9.4.9.0	15.0.1.6.0	15.2.10.3.0	15.5.7.0.0	15.8.3.9.0	15.11.0.6.0	16.1.9.3.0	16.4.6.0.0
¼	13.10.9.6.9	14.1.6.4.6	14.4.3.2.3	14.7.0.0.0	14.9.8.9.9	15.0.5.7.6	15.3.2.5.3	15.5.11.3.0	15.8.8.0.9	15.11.4.10.6	16.2.1.8.3	16.4.10.6.0
½	13.11.1.4.6	14.1.10.3.0	14.4.7.1.6	14.7.4.0.0	14.10.0.10.6	15.0.9.9.0	15.3.6.7.6	15.6.3.6.0	15.9.0.4.6	15.11.9.3.0	16.2.6.1.6	16.5.3.0.0
¾	13.11.5.2.3	14.2.2.1.6	14.4.11.0.9	14.7.8.0.0	14.10.4.11.3	15.1.1.10.6	15.3.10.9.9	15.6.7.9.0	15.9.4.8.3	16.0.1.7.6	16.2.10.6.9	16.5.7.6.0
11.0.0	13.11.9.0.0	14.2.6.0.0	14.5.3.0.0	14.8.0.0.0	14.10.9.0.0	15.1.6.0.0	15.4.3.0.0	15.7.0.0.0	15.9.9.0.0	16.0.6.0.0	16.3.3.0.0	16.6.0.0.0
¼	14.0.0.9.9	14.2.9.10.6	14.5.6.11.3	14.8.4.0.0	14.11.1.0.9	15.1.10.1.6	15.4.7.2.3	15.7.4.3.0	15.10.1.3.9	16.0.10.4.6	16.3.7.5.3	16.6.4.6.0
½	14.0.4.7.6	14.3.1.9.0	14.5.10.10.6	14.8.8.0.0	14.11.5.1.6	15.2.2.3.0	15.4.11.4.6	15.7.8.6.0	15.10.5.7.6	16.1.2.9.0	16.3.11.10.6	16.6.9.0.0
¾	14.0.8.5.3	14.3.5.7.6	14.6.2.9.9	14.9.0.0.0	14.11.9.2.3	15.2.6.4.6	15.5.3.6.9	15.8.0.9.0	15.10.9.11.3	16.1.7.1.6	16.4.4.3.9	16.7.1.6.0
11.1.0	14.1.0.3.0	14.3.9.6.0	14.6.6.9.0	14.9.4.0.0	15.0.1.3.0	15.2.10.6.0	15.5.7.9.0	15.8.5.0.0	15.11.2.3.0	16.1.11.6.0	16.4.8.9.0	16.7.6.0.0
¼	14.1.4.0.9	14.4.1.4.6	14.6.10.8.3	14.9.8.0.0	15.0.5.3.9	15.3.2.7.6	15.5.11.11.3	15.8.9.3.0	15.11.6.6.9	16.2.3.10.6	16.5.1.2.3	16.7.10.6.0
½	14.1.7.10.6	14.4.5.3.0	14.7.2.7.6	14.10.0.0.0	15.0.9.4.6	15.3.6.9.0	15.6.4.1.6	15.9.1.6.0	15.11.10.10.6	16.2.8.3.0	16.5.5.7.6	16.8.3.0.0
¾	14.1.11.8.3	14.4.9.1.6	14.7.6.6.9	14.10.4.0.0	15.1.1.5.3	15.3.10.10.6	15.6.8.3.9	15.9.5.9.0	16.0.3.2.3	16.3.0.7.6	16.5.10.0.9	16.8.7.6.0
11.2.0	14.2.3.6.0	14.5.1.0.0	14.7.10.6.0	14.10.8.0.0	15.1.5.6.0	15.4.3.0.0	15.7.0.6.0	15.9.10.0.0	16.0.7.6.0	16.3.5.0.0	16.6.2.6.0	16.9.0.0.0
¼	14.2.7.3.9	14.5.4.10.6	14.8.2.5.3	14.11.0.0.0	15.1.9.6.9	15.4.7.1.6	15.7.4.8.3	15.10.2.3.0	16.0.11.9.9	16.3.9.4.6	16.6.6.11.3	16.9.4.6.0
½	14.2.11.1.6	14.5.8.9.0	14.8.6.4.6	14.11.4.0.0	15.2.1.7.6	15.4.11.3.0	15.7.8.10.6	15.10.6.6.0	16.1.4.1.6	16.4.1.9.0	16.6.11.4.6	16.9.9.0.0
¾	14.3.2.11.3	14.6.0.7.6	14.8.10.3.9	14.11.8.0.0	15.2.5.8.3	15.5.3.4.6	15.8.1.0.9	15.10.10.9.0	16.1.8.5.3	16.4.6.1.6	16.7.3.9.9	16.10.1.6.0
11.3.0	14.3.6.9.0	14.6.4.6.0	14.9.2.3.0	15.0.0.0.0	15.2.9.9.0	15.5.7.6.0	15.8.5.3.0	15.11.3.0.0	16.2.0.9.0	16.4.10.6.0	16.7.8.3.0	16.10.6.0.0
¼	14.3.10.6.9	14.6.8.4.6	14.9.6.2.3	15.0.4.0.0	15.3.1.9.9	15.5.11.7.6	15.8.9.5.3	15.11.7.3.0	16.2.5.0.9	16.5.2.10.6	16.8.0.8.3	16.10.10.6.0
½	14.4.2.4.6	14.7.0.3.0	14.9.10.1.6	15.0.8.0.0	15.3.5.10.6	15.6.3.9.0	15.9.1.7.6	15.11.11.6.0	16.2.9.4.6	16.5.7.3.0	16.8.5.1.6	16.11.3.0.0
¾	14.4.6.2.3	14.7.4.1.6	14.10.2.0.9	15.1.0.0.0	15.3.9.11.3	15.6.7.10.6	15.9.5.9.9	16.0.3.9.0	16.3.1.8.3	16.5.11.7.6	16.8.9.6.9	16.11.7.6.0
11.4.0	14.4.10.0.0	14.7.8.0.0	14.10.6.0.0	15.1.4.0.0	15.4.2.0.0	15.7.0.0.0	15.9.10.0.0	16.0.8.0.0	16.3.6.0.0	16.6.4.0.0	16.9.2.0.0	17.0.0.0.0
¼	14.5.1.9.9	14.7.11.10.6	14.10.9.11.3	15.1.8.0.0	15.4.6.0.9	15.7.4.1.6	15.10.2.2.3	16.1.0.3.0	16.3.10.3.9	16.6.8.4.6	16.9.6.5.3	17.0.4.6.0
½	14.5.5.7.6	14.8.3.9.0	14.11.1.10.6	15.2.0.0.0	15.4.10.1.6	15.7.8.3.0	15.10.6.4.6	16.1.4.6.0	16.4.2.7.6	16.7.0.9.0	16.9.10.10.6	17.0.9.0.0
¾	14.5.9.5.3	14.8.7.7.6	14.11.5.9.9	15.2.4.0.0	15.5.2.2.3	15.8.0.4.6	15.10.10.6.9	16.1.8.9.0	16.4.6.11.3	16.7.5.1.6	16.10.3.3.9	17.1.1.6.0
11.5.0	14.6.1.3.0	14.8.11.6.0	14.11.9.9.0	15.2.8.0.0	15.5.6.3.0	15.8.4.6.0	15.11.2.9.0	16.2.1.0.0	16.4.11.3.0	16.7.9.6.0	16.10.7.9.0	17.1.6.0.0
¼	14.6.5.0.9	14.9.3.4.6	15.0.1.8.3	15.3.0.0.0	15.5.10.3.9	15.8.8.7.6	15.11.6.11.3	16.2.5.3.0	16.5.3.6.9	16.8.1.10.6	16.11.0.2.3	17.1.10.6.0
½	14.6.8.10.6	14.9.7.3.0	15.0.5.7.6	15.3.4.0.0	15.6.2.4.6	15.9.0.9.0	15.11.11.1.6	16.2.9.6.0	16.5.7.10.6	16.8.6.3.0	16.11.4.7.6	17.2.3.0.0
¾	14.7.0.8.3	14.9.11.1.6	15.0.9.6.9	15.3.8.0.0	15.6.6.5.3	15.9.4.10.6	16.0.3.3.9	16.3.1.9.0	16.6.0.2.3	16.8.10.7.6	16.11.9.0.9	17.2.7.6.0
11.6.0	14.7.4.6.0	14.10.3.0.0	15.1.1.6.0	15.4.0.0.0	15.6.10.6.0	15.9.9.0.0	16.0.7.6.0	16.3.6.0.0	16.6.4.6.0	16.9.3.0.0	17.0.1.6.0	17.3.0.0.0
¼	14.7.8.3.9	14.10.6.10.6	15.1.5.5.3	15.4.4.0.0	15.7.2.6.9	15.10.1.1.6	16.0.11.8.3	16.3.10.3.0	16.6.8.9.9	16.9.7.4.6	17.0.5.11.3	17.3.4.6.0
½	14.8.0.1.6	14.10.10.9.0	15.1.9.4.6	15.4.8.0.0	15.7.6.7.6	15.10.5.3.0	16.1.3.10.6	16.4.2.6.0	16.7.1.1.6	16.9.11.9.0	17.0.10.4.6	17.3.9.0.0
¾	14.8.3.11.3	14.11.2.7.6	15.2.1.3.9	15.5.0.0.0	15.7.10.8.3	15.10.9.4.6	16.1.8.0.9	16.4.6.9.0	16.7.5.5.3	16.10.4.1.6	17.1.2.9.9	17.4.1.6.0
11.7.0	14.8.7.9.0	14.11.6.6.0	15.2.5.3.0	15.5.4.0.0	15.8.2.9.0	15.11.1.6.0	16.2.0.3.0	16.4.11.0.0	16.7.9.9.0	16.10.8.6.0	17.1.7.3.0	17.4.6.0.0
¼	14.8.11.6.9	14.11.10.4.6	15.2.9.2.3	15.5.8.0.0	15.8.6.9.9	15.11.5.7.6	16.2.4.5.3	16.5.3.3.0	16.8.2.0.9	16.11.0.10.6	17.1.11.8.3	17.4.10.6.0
½	14.9.3.4.6	15.0.2.3.0	15.3.1.1.6	15.6.0.0.0	15.8.10.10.6	15.11.9.9.0	16.2.8.7.6	16.5.7.6.0	16.8.6.4.6	16.11.5.3.0	17.2.4.1.6	17.5.3.0.0
¾	14.9.7.2.3	15.0.6.1.6	15.3.5.0.9	15.6.4.0.0	15.9.2.11.3	16.0.1.10.6	16.3.0.9.9	16.5.11.9.0	16.8.10.8.3	16.11.9.7.6	17.2.8.6.9	17.5.7.6.0
11.8.0	14.9.11.0.0	15.0.10.0.0	15.3.9.0.0	15.6.8.0.0	15.9.7.0.0	16.0.6.0.0	16.3.5.0.0	16.6.4.0.0	16.9.3.0.0	17.0.2.0.0	17.3.1.0.0	17.6.0.0.0
¼	14.10.2.9.9	15.1.1.10.6	15.4.0.11.3	15.7.0.0.0	15.9.11.0.9	16.0.10.1.6	16.3.9.2.3	16.6.8.3.0	16.9.7.3.9	17.0.6.4.6	17.3.5.5.3	17.6.4.6.0
½	14.10.6.7.6	15.1.5.9.0	15.4.4.10.6	15.7.4.0.0	15.10.3.1.6	16.1.2.3.0	16.4.1.4.6	16.7.0.6.0	16.9.11.7.6	17.0.10.9.0	17.3.9.10.6	17.6.9.0.0
¾	14.10.10.5.3	15.1.9.7.6	15.4.8.9.9	15.7.8.0.0	15.10.7.2.3	16.1.6.4.6	16.4.5.6.9	16.7.4.9.0	16.10.3.11.3	17.1.3.1.6	17.4.2.3.9	17.7.1.6.0
11.9.0	14.11.2.3.0	15.2.1.6.0	15.5.0.9.0	15.8.0.0.0	15.10.11.3.0	16.1.10.6.0	16.4.9.9.0	16.7.9.0.0	16.10.8.3.0	17.1.7.6.0	17.4.6.9.0	17.7.6.0.0
¼	14.11.6.0.9	15.2.5.4.6	15.5.4.8.3	15.8.4.0.0	15.11.3.3.9	16.2.2.7.6	16.5.1.11.3	16.8.1.3.0	16.11.0.6.9	17.1.11.10.6	17.4.11.2.3	17.7.10.6.0
½	14.11.9.10.6	15.2.9.3.0	15.5.8.7.6	15.8.8.0.0	15.11.7.4.6	16.2.6.9.0	16.5.6.1.6	16.8.5.6.0	16.11.4.10.6	17.2.4.3.0	17.5.3.7.6	17.8.3.0.0
¾	15.0.1.8.3	15.3.1.1.6	15.6.0.6.9	15.9.0.0.0	15.11.11.5.3	16.2.10.10.6	16.5.10.3.9	16.8.9.9.0	16.11.9.2.3	17.2.8.7.6	17.5.8.0.9	17.8.7.6.0
11.10.0	15.0.5.6.0	15.3.5.0.0	15.6.4.6.0	15.9.4.0.0	16.0.3.6.0	16.3.3.0.0	16.6.2.6.0	16.9.2.0.0	17.0.1.6.0	17.3.1.0.0	17.6.0.6.0	17.9.0.0.0
¼	15.0.9.3.9	15.3.8.10.6	15.6.8.5.3	15.9.8.0.0	16.0.7.6.9	16.3.7.1.6	16.6.6.8.3	16.9.6.3.0	17.0.5.9.9	17.3.5.4.6	17.6.4.11.3	17.9.4.6.0
½	15.1.1.1.6	15.4.0.9.0	15.7.0.4.6	15.10.0.0.0	16.0.11.7.6	16.3.11.3.0	16.6.10.10.6	16.9.10.6.0	17.0.10.1.6	17.3.9.9.0	17.6.9.4.6	17.9.9.0.0
¾	15.1.4.11.3	15.4.4.7.6	15.7.4.3.9	15.10.4.0.0	16.1.3.8.3	16.4.3.4.6	16.7.3.0.9	16.10.2.9.0	17.1.2.5.3	17.4.2.1.6	17.7.1.9.9	17.10.1.6.0
11.11.0	15.1.8.9.0	15.4.8.6.0	15.7.8.3.0	15.10.8.0.0	16.1.7.9.0	16.4.7.6.0	16.7.7.3.0	16.10.7.0.0	17.1.6.9.0	17.4.6.6.0	17.7.6.3.0	17.10.6.0.0
¼	15.2.0.6.9	15.5.0.4.6	15.8.0.2.3	15.11.0.0.0	16.1.11.9.9	16.4.11.7.6	16.7.11.5.3	16.10.11.3.0	17.1.11.0.9	17.4.10.10.6	17.7.10.8.3	17.10.10.6.0
½	15.2.4.4.6	15.5.4.3.0	15.8.4.1.6	15.11.4.0.0	16.2.3.10.6	16.5.3.9.0	16.8.3.7.6	16.11.3.6.0	17.2.3.4.6	17.5.3.3.0	17.8.3.1.6	17.11.3.0.0
¾	15.2.8.2.3	15.5.8.1.6	15.8.8.0.9	15.11.8.0.0	16.2.7.11.3	16.5.7.10.6	16.8.7.9.9	16.11.7.9.0	17.2.7.8.3	17.5.7.7.6	17.8.7.6.9	17.11.7.6.0
12.0.0	15.3.0.0.0	15.6.0.0.0	15.9.0.0.0	16.0.0.0.0	16.3.0.0.0	16.6.0.0.0	16.9.0.0.0	17.0.0.0.0	17.3.0.0.0	17.6.0.0.0	17.9.0.0.0	18.0.0.0.0
¼	15.3.3.9.9	15.6.3.10.6	15.9.3.11.3	16.0.4.0.0	16.3.4.0.9	16.6.4.1.6	16.9.4.2.3	17.0.4.3.0	17.3.4.3.9	17.6.4.4.6	17.9.4.5.3	18.0.4.6.0
½	15.3.7.7.6	15.6.7.9.0	15.9.7.10.6	16.0.8.0.0	16.3.8.1.6	16.6.8.3.0	16.9.8.4.6	17.0.8.6.0	17.3.8.7.6	17.6.8.9.0	17.9.8.10.6	18.0.9.0.0
¾	15.3.11.5.3	15.6.11.7.6	15.9.11.9.9	16.1.0.0.0	16.4.0.2.3	16.7.0.4.6	16.10.0.6.9	17.1.0.9.0	17.4.0.11.3	17.7.1.1.6	17.10.1.3.9	18.1.1.6.0
12.1.0	15.4.3.3.0	15.7.3.6.0	15.10.3.9.0	16.1.4.0.0	16.4.4.3.0	16.7.4.6.0	16.10.4.9.0	17.1.5.0.0	17.4.5.3.0	17.7.5.6.0	17.10.5.9.0	18.1.6.0.0
¼	15.4.7.0.9	15.7.7.4.6	15.10.7.8.3	16.1.8.0.0	16.4.8.3.9	16.7.8.7.6	16.10.8.11.3	17.1.9.3.0	17.4.9.6.9	17.7.9.10.6	17.10.10.2.3	18.1.10.6.0
½	15.4.10.10.6	15.7.11.3.0	15.10.11.7.6	16.2.0.0.0	16.5.0.4.6	16.8.0.9.0	16.11.1.1.6	17.2.1.6.0	17.5.1.10.6	17.8.2.3.0	17.11.2.7.6	18.2.3.0.0
¾	15.5.2.8.3	15.8.3.1.6	15.11.3.6.9	16.2.4.0.0	16.5.4.5.3	16.8.4.10.6	16.11.5.3.9	17.2.5.9.0	17.5.6.2.3	17.8.6.7.6	17.11.7.0.9	18.2.7.6.0
12.2.0	15.5.6.6.0	15.8.7.0.0	15.11.7.6.0	16.2.8.0.0	16.5.8.6.0	16.8.9.0.0	16.11.9.6.0	17.2.10.0.0	17.5.10.6.0	17.8.11.0.0	17.11.11.6.0	18.3.0.0.0
¼	15.5.10.3.9	15.8.10.10.6	15.11.11.5.3	16.3.0.0.0	16.6.0.6.9	16.9.1.1.6	17.0.1.8.3	17.3.2.3.0	17.6.2.9.9	17.9.3.4.6	18.0.3.11.3	18.3.4.6.0
½	15.6.2.1.6	15.9.2.9.0	16.0.3.4.6	16.3.4.0.0	16.6.4.7.6	16.9.5.3.0	17.0.5.10.6	17.3.6.6.0	17.6.7.1.6	17.9.7.9.0	18.0.8.4.6	18.3.9.0.0
¾	15.6.5.11.3	15.9.6.7.6	16.0.7.3.9	16.3.8.0.0	16.6.8.8.3	16.9.9.4.6	17.0.10.0.9	17.3.10.9.0	17.6.11.5.3	17.10.0.1.6	18.1.0.9.9	18.4.1.6.0
12.3.0	15.6.9.9.0	15.9.10.6.0	16.0.11.3.0	16.4.0.0.0	16.7.0.9.0	16.10.1.6.0	17.1.2.3.0	17.4.3.0.0	17.7.3.9.0	17.10.4.6.0	18.1.5.3.0	18.4.6.0.0
¼	15.7.1.6.9	15.10.2.4.6	16.1.3.2.3	16.4.4.0.0	16.7.4.9.9	16.10.5.7.6	17.1.6.5.3	17.4.7.3.0	17.7.8.0.9	17.10.8.10.6	18.1.9.8.3	18.4.10.6.0
½	15.7.5.4.6	15.10.6.3.0	16.1.7.1.6	16.4.8.0.0	16.7.8.10.6	16.10.9.9.0	17.1.10.7.6	17.4.11.6.0	17.8.0.4.6	17.11.1.3.0	18.2.2.1.6	18.5.3.0.0
¾	15.7.9.2.3	15.10.10.1.6	16.1.11.0.9	16.5.0.0.0	16.8.0.11.3	16.11.1.10.6	17.2.2.9.9	17.5.3.9.0	17.8.4.8.3	17.11.5.7.6	18.2.6.6.9	18.5.7.6.0
12.4.0	15.8.1.0.0	15.11.2.0.0	16.2.3.0.0	16.5.4.0.0	16.8.5.0.0	16.11.6.0.0	17.2.7.0.0	17.5.8.0.0	17.8.9.0.0	17.11.10.0.0	18.2.11.0.0	18.6.0.0.0
¼	15.8.4.9.9	15.11.5.10.6	16.2.6.11.3	16.5.8.0.0	16.8.9.0.9	16.11.10.1.6	17.2.11.2.3	17.6.0.3.0	17.9.1.3.9	18.0.2.4.6	18.3.3.5.3	18.6.4.6.0
½	15.8.8.7.6	15.11.9.9.0	16.2.10.10.6	16.6.0.0.0	16.9.1.1.6	17.0.2.3.0	17.3.3.4.6	17.6.4.6.0	17.9.5.7.6	18.0.6.9.0	18.3.7.10.6	18.6.9.0.0
¾	15.9.0.5.3	16.0.1.7.6	16.3.2.9.9	16.6.4.0.0	16.9.5.2.3	17.0.6.4.6	17.3.7.6.9	17.6.8.9.0	17.9.9.11.3	18.0.11.1.6	18.4.0.3.9	18.7.1.6.0
12.5.0	15.9.4.3.0	16.0.5.6.0	16.3.6.9.0	16.6.8.0.0	16.9.9.3.0	17.0.10.6.0	17.3.11.9.0	17.7.1.0.0	17.10.2.3.0	18.1.3.6.0	18.4.4.9.0	18.7.6.0.0
¼	15.9.8.0.9	16.0.9.4.6	16.3.10.8.3	16.7.0.0.0	16.10.1.3.9	17.1.2.7.6	17.4.3.11.3	17.7.5.3.0	17.10.6.6.9	18.1.7.10.6	18.4.9.2.3	18.7.10.6.0
½	15.9.11.10.6	16.1.1.3.0	16.4.2.7.6	16.7.4.0.0	16.10.5.4.6	17.1.6.9.0	17.4.8.1.6	17.7.9.6.0	17.10.10.10.6	18.2.0.3.0	18.5.1.7.6	18.8.3.0.0
¾	15.10.3.8.3	16.1.5.1.6	16.4.6.6.9	16.7.8.0.0	16.10.9.5.3	17.1.10.10.6	17.5.0.3.9	17.8.1.9.0	17.11.3.2.3	18.2.4.7.6	18.5.6.0.9	18.8.7.6.0

A TABLE OF FEET AND INCHES.

from 1 foot 6 inches by 1 foot 6 inches and 1 quarter to 3 foot 11 inches and 3 quarters by 2 foot.

F.I. Parts	F.I. 1.6¼	F.I. 1.6½	F.I. 1.6¾	F.I. 1.7	F.I. 1.7¼	F.I. 1.7½	F.I. 1.7¾	F.I. 1.8	F.I. 1.8¼	F.I. 1.8½	F.I. 1.8¾	F.I. 1.9	F.I. 1.9¼	F.I. 1.9½	F.I. 1.9¾	F.I. 1.10	F.I. 1.10¼	F.I. 1.10½	F.I. 1.10¾	F.I. 1.11	F.I. 1.11¼	F.I. 1.11½	F.I. 1.11¾	F.I. 2.0
1.6.0	2.3																							
¼	2.4																							
½	2.4	2.5																						
¾	2.5	2.5	2.5																					
1.7.0	2.5	2.5	2.6	2.6																				
¼	2.5	2.6	2.6	2.6	2.7																			
½	2.6	2.6	2.6	2.7	2.7	2.8																		
¾	2.6	2.6	2.7	2.7	2.8	2.8	2.9																	
1.8.0	2.6	2.7	2.7	2.8	2.8	2.8	2.9	2.9																
¼	2.7	2.7	2.8	2.8	2.8	2.9	2.9	2.10	2.10															
½	2.7	2.8	2.8	2.8	2.9	2.9	2.10	2.10	2.11	2.11														
¾	2.8	2.8	2.8	2.9	2.9	2.10	2.10	2.11	2.11	2.11	3.0													
1.9.0	2.8	2.8	2.9	2.9	2.10	2.10	2.11	2.11	2.11	3.0	3.0	3.1												
¼	2.8	2.9	2.9	2.10	2.10	2.10	2.11	2.11	3.0	3.0	3.1	3.1	3.2											
½	2.9	2.9	2.10	2.10	2.10	2.11	2.11	3.0	3.0	3.1	3.1	3.2	3.2	3.3										
¾	2.9	2.9	2.10	2.10	2.11	2.11	3.0	3.0	3.1	3.2	3.2	3.2	3.3	3.3	3.3									
1.10.0	2.9	2.10	2.10	2.11	2.11	3.0	3.0	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.4	3.4								
¼	2.10	2.10	2.11	2.11	3.0	3.0	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5							
½	2.10	2.11	2.11	3.0	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.5	3.5	3.6	3.6						
¾	2.11	2.11	3.0	3.0	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5	3.6	3.6	3.7	3.7					
1.11.0	2.11	2.11	3.0	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.8				
¼	2.11	3.0	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.9	3.9			
½	3.0	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.9	3.9	3.10	3.10		
¾	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.9	3.9	3.10	3.10	3.11	3.11	
2.0.0	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.6	3.6	3.6	3.7	3.7	3.8	3.8	3.9	3.9	3.10	3.10	3.11	3.11	4.0
¼	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.9	3.9	3.10	3.10	3.11	3.11	4.0	4.0
½	3.1	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5	3.6	3.7	3.7	3.7	3.8	3.8	3.9	3.10	3.10	3.10	3.11	3.11	4.0	4.0	4.1
¾	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.9	3.9	3.10	3.10	3.11	3.11	4.0	4.0	4.1	4.1
2.1.0	3.2	3.3	3.3	3.4	3.4	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.9	3.9	3.10	3.10	3.11	3.11	4.0	4.0	4.1	4.1	4.2
¼	3.2	3.3	3.3	3.4	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.9	3.9	3.10	3.10	3.11	3.11	4.0	4.0	4.1	4.1	4.2	4.2
½	3.3	3.3	3.4	3.5	3.5	3.5	3.6	3.6	3.7	3.8	3.8	3.9	3.9	3.10	3.10	3.11	3.11	4.0	4.0	4.1	4.1	4.2	4.2	4.3
¾	3.3	3.4	3.4	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.9	3.9	3.10	3.10	3.11	3.11	4.0	4.0	4.1	4.1	4.2	4.2	4.3	4.3
2.2.0	3.4	3.4	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.9	3.9	3.10	3.11	3.11	4.0	4.0	4.1	4.1	4.2	4.2	4.3	4.3	4.4
¼	3.4	3.4	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.9	3.9	3.10	3.10	3.11	4.0	4.0	4.1	4.1	4.2	4.2	4.3	4.3	4.4	4.4
½	3.4	3.5	3.5	3.6	3.7	3.7	3.8	3.8	3.9	3.9	3.10	3.10	3.11	3.11	4.0	4.1	4.1	4.2	4.2	4.3	4.3	4.4	4.4	4.5
¾	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.9	3.9	3.10	3.10	3.11	3.11	4.0	4.0	4.1	4.2	4.2	4.3	4.3	4.4	4.4	4.5	4.5
2.3.0	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.9	3.10	3.10	3.11	3.11	4.0	4.0	4.1	4.1	4.2	4.3	4.3	4.4	4.4	4.5	4.5	4.6
¼	3.5	3.6	3.7	3.7	3.8	3.8	3.9	3.9	3.10	3.11	3.11	4.0	4.0	4.1	4.1	4.2	4.3	4.3	4.4	4.4	4.5	4.5	4.6	4.6
½	3.6	3.6	3.7	3.8	3.8	3.9	3.9	3.10	3.10	3.11	4.0	4.0	4.1	4.1	4.2	4.2	4.3	4.4	4.4	4.5	4.5	4.6	4.6	4.7
¾	3.6	3.7	3.7	3.8	3.9	3.9	3.10	3.10	3.11	3.11	4.0	4.1	4.1	4.2	4.2	4.3	4.3	4.4	4.5	4.5	4.6	4.6	4.7	4.7
2.4.0	3.7	3.7	3.8	3.8	3.9	3.9	3.10	3.11	3.11	4.0	4.0	4.1	4.2	4.2	4.3	4.3	4.4	4.4	4.5	4.6	4.6	4.7	4.7	4.8
¼	3.7	3.8	3.8	3.9	3.9	3.10	3.10	3.11	4.0	4.0	4.1	4.1	4.2	4.3	4.3	4.4	4.4	4.5	4.6	4.6	4.7	4.7	4.8	4.8
½	3.7	3.8	3.9	3.9	3.10	3.10	3.11	3.11	4.0	4.1	4.1	4.2	4.2	4.3	4.4	4.4	4.5	4.5	4.6	4.7	4.7	4.8	4.8	4.9
¾	3.8	3.8	3.9	3.10	3.10	3.11	3.11	4.0	4.1	4.1	4.2	4.2	4.3	4.4	4.4	4.5	4.5	4.6	4.7	4.7	4.8	4.8	4.9	4.9
2.5.0	3.8	3.9	3.9	3.10	3.11	3.11	4.0	4.0	4.1	4.2	4.2	4.3	4.3	4.4	4.5	4.5	4.6	4.6	4.7	4.8	4.8	4.9	4.9	4.10
¼	3.8	3.9	3.10	3.10	3.11	4.0	4.0	4.1	4.1	4.2	4.3	4.3	4.4	4.4	4.5	4.6	4.6	4.7	4.7	4.8	4.9	4.9	4.10	4.10
½	3.9	3.9	3.10	3.11	3.11	4.0	4.1	4.1	4.2	4.2	4.3	4.4	4.4	4.5	4.5	4.6	4.7	4.7	4.8	4.9	4.9	4.10	4.10	4.11
¾	3.9	3.10	3.10	3.11	4.0	4.0	4.1	4.2	4.2	4.3	4.3	4.4	4.5	4.5	4.6	4.7	4.7	4.8	4.8	4.9	4.10	4.10	4.11	4.11
2.6.0	3.10	3.10	3.11	3.11	4.0	4.1	4.1	4.2	4.3	4.3	4.4	4.4	4.5	4.6	4.6	4.7	4.8	4.8	4.9	4.9	4.10	4.11	4.11	5.0
¼	3.10	3.11	3.11	4.0	4.1	4.1	4.2	4.2	4.3	4.4	4.4	4.5	4.6	4.6	4.7	4.7	4.8	4.9	4.9	4.10	4.11	4.11	5.0	5.0
½	3.10	3.11	4.0	4.0	4.1	4.2	4.2	4.3	4.3	4.4	4.5	4.5	4.6	4.7	4.7	4.8	4.9	4.9	4.10	4.10	4.11	5.0	5.0	5.1
¾	3.11	3.11	4.0	4.1	4.1	4.2	4.3	4.3	4.4	4.5	4.5	4.6	4.6	4.7	4.8	4.8	4.9	4.10	4.10	4.11	5.0	5.0	5.1	5.1
2.7.0	3.11	4.0	4.0	4.1	4.2	4.2	4.3	4.4	4.4	4.5	4.6	4.6	4.7	4.8	4.8	4.9	4.9	4.10	4.11	4.11	5.0	5.1	5.1	5.2
¼	4.0	4.0	4.1	4.1	4.2	4.3	4.3	4.4	4.5	4.5	4.6	4.7	4.7	4.8	4.9	4.9	4.10	4.11	4.11	5.0	5.1	5.1	5.2	5.2
½	4.0	4.1	4.1	4.2	4.3	4.3	4.4	4.4	4.5	4.6	4.6	4.7	4.8	4.8	4.9	4.10	4.10	4.11	5.0	5.0	5.1	5.2	5.2	5.3
¾	4.0	4.1	4.2	4.2	4.3	4.4	4.4	4.5	4.6	4.6	4.7	4.8	4.8	4.9	4.10	4.10	4.11	5.0	5.0	5.1	5.2	5.2	5.3	5.3
2.8.0	4.1	4.1	4.2	4.3	4.3	4.4	4.5	4.5	4.6	4.7	4.7	4.8	4.9	4.9	4.10	4.11	4.11	5.0	5.1	5.1	5.2	5.3	5.3	5.4
¼	4.1	4.2	4.2	4.3	4.4	4.4	4.5	4.6	4.6	4.7	4.8	4.8	4.9	4.10	4.10	4.11	5.0	5.0	5.1	5.2	5.2	5.3	5.4	5.4
½	4.1	4.2	4.3	4.3	4.4	4.5	4.5	4.6	4.7	4.8	4.8	4.9	4.10	4.10	4.11	5.0	5.0	5.1	5.2	5.2	5.3	5.4	5.4	5.5
¾	4.2	4.2	4.3	4.4	4.5	4.5	4.6	4.7	4.7	4.8	4.9	4.9	4.10	4.11	4.11	5.0	5.1	5.1	5.2	5.3	5.3	5.4	5.5	5.5
2.9.0	4.2	4.3	4.4	4.4	4.5	4.6	4.6	4.7	4.8	4.8	4.9	4.10	4.10	4.11	5.0	5.0	5.1	5.2	5.3	5.3	5.4	5.5	5.5	5.6
¼	4.3	4.3	4.4	4.5	4.5	4.6	4.7	4.7	4.8	4.9	4.9	4.10	4.11	5.0	5.0	5.1	5.2	5.2	5.3	5.4	5.4	5.5	5.6	5.6
½	4.3	4.4	4.4	4.5	4.6	4.6	4.7	4.8	4.9	4.9	4.10	4.11	4.11	5.0	5.1	5.1	5.2	5.3	5.4	5.4	5.5	5.6	5.6	5.7
¾	4.3	4.4	4.5	4.5	4.6	4.7	4.8	4.8	4.9	4.10	4.10	4.11	5.0	5.0	5.1	5.2	5.3	5.3	5.4	5.5	5.5	5.6	5.7	5.7
2.10.0	4.4	4.4	4.5	4.6	4.7	4.7	4.8	4.9	4.9	4.10	4.11	4.11	5.0	5.1	5.2	5.2	5.3	5.4	5.4	5.5	5.6	5.7	5.7	5.8
¼	4.4	4.5	4.6	4.6	4.7	4.8	4.8	4.9	4.10	4.11	4.11	5.0	5.1	5.1	5.2	5.3	5.4	5.4	5.5	5.6	5.6	5.7	5.8	5.8
½	4.4	4.5	4.6	4.7	4.7	4.8	4.9	4.9	4.10	4.11	5.0	5.0	5.2	5.2	5.3	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.8	5.9
¾	4.5	4.6	4.6	4.7	4.8	4.8	4.9	4.10	4.11	4.11	5.0	5.1	5.2	5.2	5.3	5.4	5.4	5.5	5.6	5.7	5.7	5.8	5.9	5.9
2.11.0	4.5	4.6	4.7	4.7	4.8	4.9	4.10	4.10	4.11	5.0	5.1	5.1	5.2	5.3	5.3	5.4	5.5	5.6	5.6	5.7	5.8	5.9	5.9	5.10
¼	4.6	4.6	4.7	4.8	4.9	4.9	4.10	4.11	4.11	5.0	5.1	5.2	5.3	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.8	5.9	5.10	5.10
½	4.6	4.7	4.7	4.8	4.9	4.10	4.10	4.11	5.0	5.1	5.1	5.2	5.3	5.4	5.4	5.5	5.6	5.7	5.7	5.8	5.9	5.10	5.10	5.11
¾	4.6	4.7	4.8	4.9	4.9	4.10	4.11	5.0	5.0	5.1	5.2	5.3	5.4	5.4	5.5	5.6	5.6	5.7	5.8	5.9	5.9	5.10	5.11	5.11
3.0.0	4.7	4.7	4.8	4.9	4.10	4.10	4.11	5.0	5.1	5.1	5.2	5.3	5.4	5.4	5.5	5.6	5.7	5.7	5.8	5.9	5.10	5.10	5.11	6.0
¼	4.7	4.8	4.9	4.9	4.10	4.11	5.0	5.0	5.1	5.2	5.3	5.3	5.4	5.5	5.6	5.6	5.7	5.8	5.9	5.9	5.10	5.11	6.0	6.0
½	4.8	4.8	4.9	4.10	4.11	4.11	5.0	5.1	5.2	5.2	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.8	5.9	5.10	5.11	5.11	6.0	6.1
¾	4.8	4.9	4.9	4.10	4.11	5.0	5.0	5.1	5.2	5.3	5.4	5.4	5.5	5.6	5.7	5.7	5.8	5.9	5.10	5.10	5.11	6.0	6.1	6.1
3.1.0	4.8	4.9	4.10	4.11	4.11	5.0	5.1	5.2	5.2	5.3	5.4	5.5	5.6	5.6	5.7	5.8	5.9	5.9	5.10	5.11	6.0	6.0	6.1	6.2
¼	4.9	4.9	4.10	4.11	5.0	5.1	5.1	5.2	5.3	5.4	5.4	5.5	5.6	5.7	5.8	5.8	5.9	5.10	5.11	5.11	6.0	6.1	6.2	6.2
½	4.9	4.10	4.11	4.11	5.0	5.1	5.2	5.2	5.3	5.4	5.5	5.6	5.6	5.7	5.8	5.9	5.10	5.10	5.11	6.0	6.1	6.1	6.2	6.3
¾	4.9	4.10	4.11	5.0	5.1	5.1	5.2	5.3	5.4	5.4	5.5	5.6	5.7	5.8	5.9	5.9	5.10	5.11	6.0	6.0	6.1	6.2	6.3	6.3
3.2.0	4.10	4.11	4.11	5.0	5.1	5.2	5.3	5.3	5.4	5.5	5.6	5.6	5.7	5.8	5.9	5.10	5.10	5.11	6.0	6.1	6.2	6.2	6.3	6.4
¼	4.10	4.11	5.0	5.1	5.1	5.2	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.9	5.9	5.10	5.11	6.0	6.1	6.1	6.2	6.3	6.4	6.4
½	4.11	4.11	5.0	5.1	5.2	5.3	5.3	5.4	5.5	5.6	5.7	5.7	5.8	5.9	5.10	5.11	5.11	6.0	6.1	6.2	6.3	6.3	6.4	6.5
¾	4.11	5.0	5.1	5.1	5.2	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.9	5.9	5.10	5.11	6.0	6.1	6.1	6.2	6.3	6.4	6.5	6.5
3.3.0	4.11	5.0	5.1	5.2	5.3	5.3	5.4	5.5	5.6	5.7	5.7	5.8	5.9	5.10	5.11	5.11	6.0	6.1	6.2	6.3	6.4	6.5	6.5	6.6
¼	5.0	5.1	5.1	5.2	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.9	5.10	5.10	5.11	6.0	6.1	6.2	6.2	6.3	6.4	6.5	6.6	6.6
½	5.0	5.1	5.2	5.3	5.3	5.4	5.5	5.6	5.7	5.7	5.8	5.9	5.10	5.11	6.0	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.6	6.7
¾	5.0	5.1	5.2	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.9	5.10	5.10	5.11	6.0	6.1	6.2	6.3	6.3	6.4	6.5	6.6	6.7	6.7
3.4.0	5.1	5.2	5.2	5.3	5.4	5.5	5.6	5.7	5.7	5.8	5.9	5.10	5.11	6.0	6.0	6.1	6.2	6.3	6.4	6.5	6.5	6.6	6.7	6.8
¼	5.1	5.2	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.9	5.10	5.10	5.11	6.0	6.1	6.2	6.3	6.3	6.4	6.5	6.6	6.7	6.8	6.8
½	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.7	5.8	5.9	5.10	5.11	6.0	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.6	6.7	6.8	6.9
¾	5.2	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.9	5.10	5.10	5.11	6.0	6.1	6.2	6.3	6.4	6.4	6.5	6.6	6.7	6.8	6.9	6.9
3.5.0	5.2	5.3	5.4	5.5	5.6	5.7	5.7	5.8	5.9	5.10	5.11	6.0	6.1	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.7	6.8	6.9	6.10
¼	5.3	5.4	5.4	5.5	5.6	5.7	5.8	5.9	5.10	5.10	5.11	6.0	6.1	6.2	6.3	6.4	6.4	6.5	6.6	6.7	6.8	6.9	6.10	6.10
½	5.3	5.4	5.5	5.6	5.7	5.7	5.8	5.9	5.10	5.11	6.0	6.1	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.8	6.9	6.10	6.11
¾	5.3	5.4	5.6	5.6	5.7	5.8	5.9	5.10	5.10	5.11	6.0	6.1	6.2	6.3	6.4	6.5	6.5	6.6	6.7	6.8	6.9	6.10	6.11	6.11
3.6.0	5.4	5.5	5.6	5.6	5.7	5.8	5.9	5.10	5.11	6.0	6.1	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.8	6.9	6.10	6.11	7.0
¼	5.4	5.5	5.6	5.7	5.8	5.9	5.10	5.10	5.11	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.6	6.7	6.8	6.9	6.10	6.11	7.0	7.0
½	5.5	5.6	5.7	5.7	5.8	5.9	5.10	5.11	6.0	6.1	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.9	6.10	6.11	7.0	7.1
¾	5.5	5.6	5.7	5.8	5.9	5.9	5.10	5.11	6.0	6.1	6.2	6.3	6.4	6.5	6.5	6.6	6.7	6.8	6.9	6.10	6.11	7.0	7.1	7.1
3.7.0	5.5	5.6	5.7	5.8	5.9	5.10	5.11	6.0	6.1	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.10	6.10	6.11	7.0	7.1	7.2
¼	5.6	5.7	5.8	5.8	5.9	5.10	5.11	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.6	6.7	6.8	6.9	6.10	6.11	7.0	7.1	7.2	7.2
½	5.6	5.7	5.8	5.9	5.10	5.11	6.0	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.10	6.10	6.11	7.0	7.1	7.2	7.3
¾	5.7	5.7	5.8	5.9	5.10	5.11	6.0	6.1	6.2	6.3	6.4	6.5	6.5	6.6	6.7	6.8	6.9	6.10	6.11	7.0	7.1	7.2	7.3	7.3
3.8.0	5.7	5.8	5.9	5.10	5.11	5.11	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.10	6.10	6.11	7.0	7.1	7.2	7.3	7.4
¼	5.7	5.8	5.9	5.10	5.11	6.0	6.1	6.2	6.3	6.4	6.5	6.5	6.6	6.7	6.8	6.9	6.10	6.11	7.0	7.1	7.2	7.3	7.4	7.4
½	5.8	5.9	5.10	5.10	5.11	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.10	6.11	6.11	7.0	7.1	7.2	7.3	7.4	7.5
¾	5.8	5.9	5.10	5.11	6.0	6.1	6.2	6.3	6.4	6.4	6.5	6.6	6.7	6.8	6.9	6.10	6.11	7.0	7.1	7.2	7.3	7.4	7.5	7.5
3.9.0	5.8	5.9	5.10	5.11	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.10	6.10	6.11	7.0	7.1	7.2	7.3	7.4	7.5	7.6
¼	5.9	5.10	5.11	6.0	6.1	6.2	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.10	6.11	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.6
½	5.9	5.10	5.11	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.10	6.10	6.11	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7
¾	5.10	5.11	5.11	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.10	6.11	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.7
3.10.0	5.10	5.11	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.8	6.9	6.10	6.11	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8
¼	5.10	5.11	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.10	6.11	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.8
½	5.11	6.0	6.1	6.2	6.3	6.4	6.5	6.5	6.6	6.7	6.8	6.9	6.10	6.11	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9
¾	5.11	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.10	6.11	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	7.9
3.11.0	5.11	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.10	6.11	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	7.10
¼	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.10	6.11	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	7.10	7.10
½	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.10	6.11	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	7.10	7.11
¾	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.10	6.11	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	7.10	7.11	7.11

A TABLE OF FEET AND INCHES

from 4 foot by 1 foot 6 inches and 1 quarter to 6 foot 5 inches and 3 quarters by 2 foot.

F.I. Parts	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.
	1.6¼	1.6½	1.6¾	1.7	1.7¼	1.7½	1.7¾	1.8	1.8¼	1.8½	1.8¾	1.9	1.9¼	1.9½	1.9¾	1.10	1.10¼	1.10½	1.10¾	1.11	1.11¼	1.11½	1.11¾	2.0
4.0.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.10	6.11	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	7.10	7.11	8.0
¼	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.10	6.11	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	7.10	7.11	8.0
½	6.2	6.3	6.4	6.4	6.6	6.7	6.8	6.9	6.10	6.11	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	7.10	7.11	8.0	8.1
¾	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.10	6.11	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	7.10	7.11	8.0	8.1
4.1.0	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.10	6.11	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	7.10	7.11	8.0	8.1	8.2
¼	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.10	6.11	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	7.10	7.11	8.0	8.1	8.2
½	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.10	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	7.10	7.11	8.0	8.1	8.2	8.3
¾	6.4	6.5	6.6	6.7	6.8	6.9	6.10	6.11	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	7.10	7.11	8.0	8.1	8.2	8.3
4.2.0	6.4	6.5	6.6	6.7	6.8	6.9	6.10	6.11	7.0	7.1	7.2	7.3	7.5	7.6	7.7	7.8	7.9	7.10	7.11	8.0	8.1	8.2	8.3	8.4
¼	6.4	6.5	6.7	6.8	6.9	6.10	6.11	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	7.10	7.11	8.0	8.1	8.2	8.3	8.4
½	6.5	6.6	6.7	6.8	6.9	6.10	6.11	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.8	7.9	7.10	7.11	8.0	8.1	8.2	8.3	8.4	8.5
¾	6.5	6.6	6.7	6.8	6.9	6.10	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	7.10	7.11	8.0	8.1	8.2	8.3	8.4	8.5
4.3.0	6.6	6.7	6.8	6.9	6.10	6.11	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	7.11	8.0	8.1	8.2	8.3	8.4	8.5	8.6
¼	6.6	6.7	6.8	6.9	6.10	6.11	7.0	7.1	7.2	7.4	7.5	7.6	7.7	7.8	7.9	7.10	7.11	8.0	8.1	8.2	8.3	8.4	8.5	8.6
½	6.6	6.7	6.8	6.10	6.11	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	7.10	7.11	8.1	8.2	8.3	8.4	8.5	8.6	8.7
¾	6.7	6.8	6.9	6.10	6.11	7.0	7.1	7.2	7.3	7.4	7.5	7.7	7.8	7.9	7.10	7.11	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7
4.4.0	6.7	6.8	6.9	6.10	6.11	7.0	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	7.10	7.11	8.0	8.1	8.3	8.4	8.5	8.6	8.7	8.8
¼	6.7	6.9	6.10	6.11	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.9	7.10	7.11	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8
½	6.8	6.9	6.10	6.11	7.0	7.1	7.2	7.3	7.5	7.6	7.7	7.8	7.9	7.10	7.11	8.0	8.1	8.2	8.4	8.5	8.6	8.7	8.8	8.9
¾	6.8	6.9	6.10	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	7.11	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9
4.5.0	6.9	6.10	6.11	7.0	7.1	7.2	7.3	7.4	7.5	7.7	7.8	7.9	7.10	7.11	8.0	8.1	8.2	8.3	8.4	8.6	8.7	8.8	8.9	8.10
¼	6.9	6.10	6.11	7.0	7.1	7.3	7.4	7.5	7.6	7.7	7.8	7.9	7.10	7.11	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	8.10
½	6.9	6.10	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.9	7.10	7.11	8.0	8.1	8.2	8.3	8.4	8.5	8.7	8.8	8.9	8.10	8.11
¾	6.10	6.11	7.0	7.1	7.2	7.3	7.4	7.6	7.7	7.8	7.9	7.10	7.11	8.0	8.1	8.3	8.4	8.5	8.6	8.7	8.8	8.9	8.10	8.11
4.6.0	6.10	6.11	7.0	7.1	7.3	7.4	7.5	7.6	7.7	7.8	7.9	7.10	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.9	8.10	8.11	9.0
¼	6.11	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.8	7.9	7.10	7.11	8.0	8.1	8.2	8.3	8.5	8.6	8.7	8.8	8.9	8.10	8.11	9.0
½	6.11	7.0	7.1	7.2	7.3	7.5	7.6	7.7	7.8	7.9	7.10	7.11	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.10	8.11	9.0	9.1
¾	6.11	7.0	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.10	7.11	8.0	8.1	8.2	8.3	8.4	8.6	8.7	8.8	8.9	8.10	8.11	9.0	9.1
4.7.0	7.0	7.1	7.2	7.3	7.4	7.5	7.7	7.8	7.9	7.10	7.11	8.0	8.1	8.3	8.4	8.5	8.6	8.7	8.8	8.9	8.11	9.0	9.1	9.2
¼	7.0	7.1	7.2	7.3	7.5	7.6	7.7	7.8	7.9	7.10	7.11	8.1	8.2	8.3	8.4	8.5	8.6	8.8	8.9	8.10	8.11	9.0	9.1	9.2
½	7.0	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.10	7.11	8.0	8.1	8.2	8.3	8.4	8.6	8.7	8.8	8.9	8.10	8.11	9.1	9.2	9.3
¾	7.1	7.2	7.3	7.4	7.5	7.7	7.8	7.9	7.10	7.11	8.0	8.2	8.3	8.4	8.5	8.6	8.7	8.9	8.10	8.11	9.0	9.1	9.2	9.3
4.8.0	7.1	7.2	7.3	7.5	7.6	7.7	7.8	7.9	7.10	8.0	8.1	8.2	8.3	8.4	8.5	8.7	8.8	8.9	8.10	8.11	9.0	9.2	9.3	9.4
¼	7.2	7.3	7.4	7.5	7.6	7.7	7.9	7.10	7.11	8.0	8.1	8.2	8.4	8.5	8.6	8.7	8.8	8.9	8.11	9.0	9.1	9.2	9.3	9.4
½	7.2	7.3	7.4	7.5	7.7	7.8	7.9	7.10	7.11	8.0	8.2	8.3	8.4	8.5	8.6	8.8	8.9	8.10	8.11	9.0	9.1	9.3	9.4	9.5
¾	7.2	7.3	7.5	7.6	7.7	7.8	7.9	7.11	8.0	8.1	8.2	8.3	8.4	8.6	8.7	8.8	8.9	8.10	9.0	9.1	9.2	9.3	9.4	9.5
4.9.0	7.3	7.4	7.5	7.6	7.7	7.9	7.10	7.11	8.0	8.1	8.3	8.4	8.5	8.6	8.7	8.8	8.10	8.11	9.0	9.1	9.2	9.4	9.5	9.6
¼	7.3	7.4	7.5	7.7	7.8	7.9	7.10	7.11	8.1	8.2	8.3	8.4	8.5	8.7	8.8	8.9	8.10	8.11	9.1	9.2	9.3	9.4	9.5	9.6
½	7.3	7.5	7.6	7.7	7.8	7.9	7.11	8.0	8.1	8.2	8.3	8.5	8.6	8.7	8.8	8.9	8.11	9.0	9.1	9.2	9.3	9.5	9.6	9.7
¾	7.4	7.5	7.6	7.7	7.9	7.10	7.11	8.0	8.1	8.3	8.4	8.5	8.6	8.7	8.9	8.10	8.11	9.0	9.1	9.3	9.4	9.5	9.6	9.7
4.10.0	7.4	7.5	7.7	7.8	7.9	7.10	7.11	8.1	8.2	8.3	8.4	8.5	8.7	8.8	8.9	8.10	9.0	9.1	9.2	9.3	9.4	9.6	9.7	9.8
¼	7.5	7.6	7.7	7.8	7.9	7.11	8.0	8.1	8.2	8.4	8.5	8.6	8.7	8.8	8.10	8.11	9.0	9.1	9.2	9.4	9.5	9.6	9.7	9.8
½	7.5	7.6	7.7	7.9	7.10	7.11	8.0	8.1	8.3	8.4	8.5	8.6	8.8	8.9	8.10	8.11	9.0	9.2	9.3	9.4	9.5	9.7	9.8	9.9
¾	7.5	7.7	7.8	7.9	7.10	7.11	8.1	8.2	8.3	8.4	8.6	8.7	8.8	8.9	8.10	9.0	9.1	9.2	9.3	9.5	9.6	9.7	9.8	9.9
4.11.0	7.6	7.7	7.8	7.9	7.11	8.0	8.1	8.2	8.4	8.5	8.6	8.7	8.8	8.10	8.11	9.0	9.1	9.3	9.4	9.5	9.6	9.8	9.9	9.10
¼	7.6	7.7	7.9	7.10	7.11	8.0	8.2	8.3	8.4	8.5	8.6	8.8	8.9	8.10	8.11	9.1	9.2	9.3	9.4	9.6	9.7	9.8	9.9	9.10
½	7.6	7.8	7.9	7.10	7.11	8.1	8.2	8.3	8.4	8.6	8.7	8.8	8.9	8.11	9.0	9.1	9.2	9.4	9.5	9.6	9.7	9.9	9.10	9.11
¾	7.7	7.8	7.9	7.11	8.0	8.1	8.2	8.4	8.5	8.6	8.7	8.9	8.10	8.11	9.0	9.2	9.3	9.4	9.5	9.7	9.8	9.9	9.10	9.11
5.0.0	7.7	7.8	7.10	7.11	8.0	8.1	8.3	8.4	8.5	8.6	8.8	8.9	8.10	8.11	9.1	9.2	9.3	9.4	9.6	9.7	9.8	9.9	9.11	10.0
¼	7.8	7.9	7.10	7.11	8.1	8.2	8.3	8.4	8.6	8.7	8.8	8.9	8.11	9.0	9.1	9.2	9.4	9.5	9.6	9.7	9.9	9.10	9.11	10.0
½	7.8	7.9	7.11	8.0	8.1	8.2	8.4	8.5	8.6	8.7	8.9	8.10	8.11	9.0	9.2	9.3	9.4	9.5	9.7	9.8	9.9	9.10	10.0	10.1
¾	7.8	7.10	7.11	8.0	8.1	8.3	8.4	8.5	8.7	8.8	8.9	8.10	9.0	9.1	9.2	9.3	9.5	9.6	9.7	9.8	9.10	9.11	10.0	10.1
5.1.0	7.9	7.10	7.11	8.1	8.2	8.3	8.4	8.6	8.7	8.8	8.9	8.11	9.0	9.1	9.3	9.4	9.5	9.6	9.8	9.9	9.10	9.11	10.1	10.2
¼	7.9	7.10	8.0	8.1	8.2	8.4	8.5	8.6	8.7	8.9	8.10	8.11	9.0	9.2	9.3	9.4	9.6	9.7	9.8	9.9	9.11	10.0	10.1	10.2
½	7.10	7.11	8.0	8.1	8.3	8.4	8.5	8.6	8.8	8.9	8.10	9.0	9.1	9.2	9.3	9.5	9.6	9.7	9.9	9.10	9.11	10.0	10.2	10.3
¾	7.10	7.11	8.0	8.2	8.3	8.4	8.6	8.7	8.8	8.9	8.11	9.0	9.1	9.3	9.4	9.5	9.6	9.8	9.9	9.10	10.0	10.1	10.2	10.3
5.2.0	7.10	8.0	8.1	8.2	8.3	8.5	8.6	8.7	8.9	8.10	8.11	9.0	9.2	9.3	9.4	9.6	9.7	9.8	9.10	9.11	10.0	10.1	10.3	10.4
¼	7.11	8.0	8.1	8.3	8.4	8.5	8.6	8.8	8.9	8.10	9.0	9.1	9.2	9.3	9.5	9.6	9.7	9.9	9.10	9.11	10.1	10.2	10.3	10.4
½	7.11	8.0	8.2	8.3	8.4	8.6	8.7	8.8	8.9	8.11	9.0	9.1	9.3	9.4	9.5	9.7	9.8	9.9	9.10	10.0	10.1	10.2	10.4	10.5
¾	7.11	8.1	8.2	8.3	8.5	8.6	8.7	8.9	8.10	8.11	9.1	9.2	9.3	9.4	9.6	9.7	9.8	9.10	9.11	10.0	10.2	10.3	10.4	10.5
5.3.0	8.0	8.1	8.2	8.4	8.5	8.6	8.8	8.9	8.10	9.0	9.1	9.2	9.4	9.5	9.6	9.7	9.9	9.10	9.11	10.1	10.2	10.3	10.5	10.6
¼	8.0	8.2	8.3	8.4	8.5	8.7	8.8	8.9	8.11	9.0	9.1	9.3	9.4	9.5	9.7	9.8	9.9	9.11	10.0	10.1	10.3	10.4	10.5	10.6
½	8.1	8.2	8.3	8.5	8.6	8.7	8.9	8.10	8.11	9.0	9.2	9.3	9.4	9.6	9.7	9.8	9.10	9.11	10.0	10.2	10.3	10.4	10.6	10.7
¾	8.1	8.2	8.4	8.5	8.6	8.8	8.9	8.10	9.0	9.1	9.2	9.4	9.5	9.6	9.8	9.9	9.10	10.0	10.1	10.2	10.4	10.5	10.6	10.7
5.4.0	8.1	8.3	8.4	8.5	8.7	8.8	8.9	8.11	9.0	9.1	9.3	9.4	9.5	9.7	9.8	9.9	9.11	10.0	10.1	10.3	10.4	10.5	10.7	10.8
¼	8.2	8.3	8.4	8.6	8.7	8.8	8.10	8.11	9.0	9.2	9.3	9.4	9.6	9.7	9.8	9.10	9.11	10.0	10.2	10.3	10.4	10.6	10.7	10.8
½	8.2	8.3	8.5	8.6	8.7	8.9	8.10	8.11	9.1	9.2	9.4	9.5	9.6	9.8	9.9	9.10	10.0	10.1	10.2	10.4	10.5	10.6	10.8	10.9
¾	8.2	8.4	8.5	8.7	8.8	8.9	8.11	9.0	9.1	9.3	9.4	9.5	9.7	9.8	9.9	9.11	10.0	10.1	10.3	10.4	10.5	10.7	10.8	10.9
5.5.0	8.3	8.4	8.6	8.7	8.8	8.10	8.11	9.0	9.2	9.3	9.4	9.6	9.7	9.8	9.10	9.11	10.1	10.2	10.3	10.5	10.6	10.7	10.9	10.10
¼	8.3	8.5	8.6	8.7	8.9	8.10	8.11	9.1	9.2	9.3	9.5	9.6	9.8	9.9	9.10	10.0	10.1	10.2	10.4	10.5	10.6	10.8	10.9	10.10
½	8.4	8.5	8.6	8.8	8.9	8.10	9.0	9.1	9.3	9.4	9.5	9.7	9.8	9.9	9.11	10.0	10.1	10.3	10.4	10.6	10.7	10.8	10.10	10.11
¾	8.4	8.5	8.7	8.8	8.9	8.11	9.0	9.2	9.3	9.4	9.6	9.7	9.8	9.10	9.11	10.1	10.2	10.3	10.5	10.6	10.7	10.9	10.10	10.11
5.6.0	8.4	8.6	8.7	8.8	8.10	8.11	9.1	9.2	9.3	9.5	9.6	9.7	9.9	9.10	10.0	10.1	10.2	10.4	10.5	10.6	10.8	10.9	10.11	11.0
¼	8.5	8.6	8.8	8.9	8.10	9.0	9.1	9.2	9.4	9.5	9.7	9.8	9.9	9.11	10.0	10.1	10.3	10.4	10.6	10.7	10.8	10.10	10.11	11.0
½	8.5	8.7	8.8	8.9	8.11	9.0	9.1	9.3	9.4	9.6	9.7	9.8	9.10	9.11	10.1	10.2	10.3	10.5	10.6	10.7	10.9	10.10	11.0	11.1
¾	8.6	8.7	8.8	8.10	8.11	9.0	9.2	9.3	9.5	9.6	9.7	9.9	9.10	10.0	10.1	10.2	10.4	10.5	10.7	10.8	10.9	10.11	11.0	11.1
5.7.0	8.6	8.7	8.9	8.10	8.11	9.1	9.2	9.4	9.5	9.6	9.8	9.9	9.11	10.0	10.1	10.3	10.4	10.6	10.7	10.8	10.10	10.11	11.1	11.2
¼	8.6	8.8	8.9	8.10	9.0	9.1	9.3	9.4	9.5	9.7	9.8	9.10	9.11	10.0	10.2	10.3	10.5	10.6	10.7	10.9	10.10	11.0	11.1	11.2
½	8.7	8.8	8.9	8.11	9.0	9.2	9.3	9.4	9.6	9.7	9.9	9.10	10.0	10.1	10.2	10.4	10.5	10.7	10.8	10.9	10.11	11.0	11.2	11.3
¾	8.7	8.8	8.10	8.11	9.1	9.2	9.4	9.5	9.6	9.8	9.9	9.11	10.0	10.1	10.3	10.4	10.6	10.7	10.8	10.10	10.11	11.1	11.2	11.3
5.8.0	8.7	8.9	8.10	9.0	9.1	9.2	9.4	9.5	9.7	9.8	9.10	9.11	10.0	10.2	10.3	10.5	10.6	10.7	10.9	10.10	11.0	11.1	11.3	11.4
¼	8.8	8.9	8.11	9.0	9.1	9.3	9.4	9.6	9.7	9.9	9.10	9.11	10.1	10.2	10.4	10.5	10.7	10.8	10.9	10.11	11.0	11.2	11.3	11.4
½	8.8	8.10	8.11	9.0	9.2	9.3	9.5	9.6	9.8	9.9	9.10	10.0	10.1	10.3	10.4	10.6	10.7	10.8	10.10	10.11	11.1	11.2	11.4	11.5
¾	8.9	8.10	8.11	9.1	9.2	9.4	9.5	9.7	9.8	9.9	9.11	10.0	10.2	10.3	10.5	10.6	10.7	10.9	10.10	11.0	11.1	11.3	11.4	11.5
5.9.0	8.9	8.10	9.0	9.1	9.3	9.4	9.6	9.7	9.8	9.10	9.11	10.1	10.2	10.4	10.5	10.6	10.8	10.9	10.11	11.0	11.2	11.3	11.5	11.6
¼	8.9	8.11	9.0	9.2	9.3	9.5	9.6	9.7	9.9	9.10	10.0	10.1	10.3	10.4	10.5	10.7	10.8	10.10	10.11	11.1	11.2	11.4	11.5	11.6
½	8.10	8.11	9.1	9.2	9.3	9.5	9.6	9.8	9.9	9.11	10.0	10.2	10.3	10.5	10.6	10.7	10.9	10.10	11.0	11.1	11.3	11.4	11.6	11.7
¾	8.10	9.0	9.1	9.2	9.4	9.5	9.7	9.8	9.10	9.11	10.1	10.2	10.4	10.5	10.6	10.8	10.9	10.11	11.0	11.2	11.3	11.5	11.6	11.7
5.10.0	8.10	9.0	9.1	9.3	9.4	9.6	9.7	9.9	9.10	10.0	10.1	10.2	10.4	10.5	10.7	10.8	10.10	10.11	11.1	11.2	11.4	11.5	11.7	11.8
¼	8.11	9.0	9.2	9.3	9.5	9.6	9.8	9.9	9.11	10.0	10.1	10.3	10.4	10.6	10.7	10.9	10.10	11.0	11.1	11.3	11.4	11.6	11.7	11.8
½	8.11	9.1	9.2	9.4	9.5	9.7	9.8	9.9	9.11	10.0	10.2	10.3	10.5	10.6	10.8	10.9	10.11	11.0	11.2	11.3	11.5	11.6	11.8	11.9
¾	9.0	9.1	9.3	9.4	9.5	9.7	9.8	9.10	9.11	10.1	10.2	10.4	10.5	10.7	10.8	10.10	10.11	11.1	11.2	11.4	11.5	11.7	11.8	11.9
5.11.0	9.0	9.1	9.3	9.4	9.6	9.7	9.9	9.10	10.0	10.1	10.3	10.4	10.6	10.7	10.9	10.10	11.0	11.1	11.3	11.4	11.6	11.7	11.9	11.10
¼	9.0	9.2	9.3	9.5	9.6	9.8	9.9	9.11	10.0	10.2	10.3	10.5	10.6	10.8	10.9	10.11	11.0	11.2	11.3	11.5	11.6	11.8	11.9	11.10
½	9.1	9.2	9.4	9.5	9.7	9.8	9.10	9.11	10.1	10.2	10.4	10.5	10.7	10.8	10.10	10.11	11.1	11.2	11.4	11.5	11.7	11.8	11.10	11.11
¾	9.1	9.3	9.4	9.6	9.7	9.9	9.10	10.0	10.1	10.3	10.4	10.6	10.7	10.9	10.10	11.0	11.1	11.3	11.4	11.6	11.7	11.9	11.10	11.11
6.0.0	9.1	9.3	9.4	9.6	9.7	9.9	9.10	10.0	10.1	10.3	10.4	10.6	10.7	10.9	10.10	11.0	11.1	11.3	11.4	11.6	11.7	11.9	11.10	12.0
¼	9.2	9.3	9.5	9.6	9.8	9.9	9.11	10.0	10.2	10.3	10.5	10.6	10.8	10.9	10.11	11.0	11.2	11.3	11.5	11.6	11.8	11.9	11.11	12.0
½	9.2	9.4	9.5	9.7	9.8	9.10	9.11	10.1	10.2	10.4	10.5	10.7	10.8	10.10	10.11	11.1	11.2	11.4	11.5	11.7	11.8	11.10	11.11	12.1
¾	9.3	9.4	9.6	9.7	9.9	9.10	10.0	10.1	10.3	10.4	10.6	10.7	10.9	10.10	11.0	11.1	11.3	11.4	11.6	11.7	11.9	11.10	12.0	12.1
6.1.0	9.3	9.5	9.6	9.8	9.9	9.11	10.0	10.2	10.3	10.5	10.6	10.8	10.9	10.11	11.0	11.2	11.3	11.5	11.6	11.8	11.9	11.11	12.0	12.2
¼	9.3	9.5	9.6	9.8	9.10	9.11	10.1	10.2	10.4	10.5	10.7	10.8	10.10	10.11	11.1	11.2	11.4	11.5	11.7	11.8	11.10	11.11	12.1	12.2
½	9.4	9.5	9.7	9.8	9.10	9.11	10.1	10.2	10.4	10.6	10.7	10.9	10.10	11.0	11.1	11.3	11.4	11.6	11.7	11.9	11.10	12.0	12.1	12.3
¾	9.4	9.6	9.7	9.9	9.10	10.0	10.1	10.3	10.4	10.6	10.8	10.9	10.11	11.0	11.2	11.3	11.5	11.6	11.8	11.9	11.11	12.0	12.2	12.3
6.2.0	9.5	9.6	9.8	9.9	9.11	10.0	10.2	10.3	10.5	10.6	10.8	10.9	10.11	11.1	11.2	11.4	11.5	11.7	11.8	11.10	11.11	12.1	12.2	12.4
¼	9.5	9.6	9.8	9.10	9.11	10.1	10.2	10.4	10.5	10.7	10.8	10.10	10.11	11.1	11.3	11.4	11.6	11.7	11.9	11.10	12.0	12.1	12.3	12.4
½	9.5	9.7	9.8	9.10	10.0	10.1	10.3	10.4	10.6	10.7	10.9	10.10	11.0	11.1	11.3	11.5	11.6	11.8	11.9	11.11	12.0	12.2	12.3	12.5
¾	9.6	9.7	9.9	9.10	10.0	10.1	10.3	10.5	10.6	10.8	10.9	10.11	11.0	11.2	11.3	11.5	11.7	11.8	11.10	11.11	12.1	12.2	12.4	12.5
6.3.0	9.6	9.8	9.9	9.11	10.0	10.2	10.3	10.5	10.7	10.8	10.10	10.11	11.1	11.2	11.4	11.5	11.7	11.9	11.10	12.0	12.1	12.3	12.4	12.6
¼	9.6	9.8	9.10	9.11	10.1	10.2	10.4	10.5	10.7	10.9	10.10	11.0	11.1	11.3	11.4	11.6	11.8	11.9	11.11	12.0	12.2	12.3	12.5	12.6
½	9.7	9.8	9.10	10.0	10.1	10.3	10.4	10.6	10.7	10.9	10.11	11.0	11.2	11.3	11.5	11.6	11.8	11.10	11.11	12.1	12.2	12.4	12.5	12.7
¾	9.7	9.9	9.10	10.0	10.2	10.3	10.5	10.6	10.8	10.9	10.11	11.1	11.2	11.4	11.5	11.7	11.8	11.10	12.0	12.1	12.3	12.4	12.6	12.7
6.4.0	9.8	9.9	9.11	10.0	10.2	10.3	10.5	10.7	10.8	10.10	10.11	11.1	11.3	11.4	11.6	11.7	11.9	11.10	12.0	12.2	12.3	12.5	12.6	12.8
¼	9.8	9.10	9.11	10.1	10.2	10.4	10.5	10.7	10.9	10.10	11.0	11.1	11.3	11.5	11.6	11.8	11.9	11.11	12.1	12.2	12.4	12.5	12.7	12.8
½	9.8	9.10	10.0	10.1	10.3	10.4	10.6	10.7	10.9	10.11	11.0	11.2	11.3	11.5	11.7	11.8	11.10	11.11	12.1	12.3	12.4	12.6	12.7	12.9
¾	9.9	9.10	10.0	10.2	10.3	10.5	10.6	10.8	10.10	10.11	11.1	11.2	11.4	11.6	11.7	11.9	11.10	12.0	12.2	12.3	12.5	12.6	12.8	12.9
6.5.0	9.9	9.11	10.0	10.2	10.4	10.5	10.7	10.8	10.10	11.0	11.1	11.3	11.4	11.6	11.8	11.9	11.11	12.0	12.2	12.4	12.5	12.7	12.8	12.10
¼	9.9	9.11	10.1	10.2	10.4	10.6	10.7	10.9	10.10	11.0	11.2	11.3	11.5	11.6	11.8	11.10	11.11	12.1	12.2	12.4	12.6	12.7	12.9	12.10
½	9.10	9.11	10.1	10.3	10.4	10.6	10.8	10.9	10.11	11.0	11.2	11.4	11.5	11.7	11.8	11.10	12.0	12.1	12.3	12.5	12.6	12.8	12.9	12.11
¾	9.10	10.0	10.1	10.3	10.5	10.6	10.8	10.10	10.11	11.1	11.2	11.4	11.6	11.7	11.9	11.11	12.0	12.2	12.3	12.5	12.7	12.8	12.10	12.11

A TABLE OF FEET AND INCHES

from 6 foot 6 inches by 1 foot 6 inches and 1 quarter to 8 foot 11 inches and 3 quarters by 2 foot.

F.I Parts	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I
	1.6¼	1.6½	1.6¾	1.7	1.7¼	1.7½	1.7¾	1.8	1.8¼	1.8½	1.8¾	1.9	1.9¼	1.9½	1.9¾	1.10	1.10¼	1.10½	1.10¾	1.11	1.11¼	1.11½	1.11¾	2.0
6.6.0	9.11	10.0	10.2	10.3	10.5	10.7	10.8	10.10	11.0	11.1	11.3	11.4	11.6	11.8	11.9	11.11	12.1	12.2	12.4	12.5	12.7	12.9	12.10	13.0
¼	9.11	10.1	10.2	10.4	10.6	10.7	10.9	10.10	11.0	11.2	11.3	11.5	11.7	11.8	11.10	11.11	12.1	12.3	12.4	12.6	12.8	12.9	12.11	13.0
½	9.11	10.1	10.3	10.4	10.6	10.8	10.9	10.11	11.0	11.2	11.4	11.5	11.7	11.9	11.10	12.0	12.2	12.3	12.5	12.6	12.8	12.10	12.11	13.1
¾	10.0	10.1	10.3	10.5	10.6	10.8	10.10	10.11	11.1	11.3	11.4	11.6	11.7	11.9	11.11	12.0	12.2	12.4	12.5	12.7	12.9	12.10	13.0	13.1
6.7.0	10.0	10.2	10.3	10.5	10.7	10.8	10.10	11.0	11.1	11.3	11.5	11.6	11.8	11.10	11.11	12.1	12.2	12.4	12.6	12.7	12.9	12.11	13.0	13.2
¼	10.1	10.2	10.4	10.5	10.7	10.9	10.10	11.0	11.2	11.3	11.5	11.7	11.8	11.10	12.0	12.1	12.3	12.5	12.6	12.8	12.10	12.11	13.1	13.2
½	10.1	10.3	10.4	10.6	10.8	10.9	10.11	11.0	11.2	11.4	11.5	11.7	11.8	11.11	12.0	12.2	12.3	12.5	12.7	12.8	12.10	13.0	13.1	13.3
¾	10.1	10.3	10.5	10.6	10.8	10.10	10.11	11.1	11.3	11.4	11.6	11.8	11.9	11.11	12.1	12.2	12.4	12.6	12.7	12.9	12.10	13.0	13.2	13.3
6.8.0	10.2	10.3	10.5	10.7	10.8	10.10	11.0	11.1	11.3	11.5	11.6	11.8	11.9	11.11	12.1	12.3	12.4	12.6	12.8	12.9	12.11	13.1	13.2	13.4
¼	10.2	10.4	10.5	10.7	10.9	10.10	11.0	11.2	11.3	11.5	11.7	11.8	11.10	12.0	12.1	12.3	12.5	12.6	12.8	12.10	12.11	13.1	13.3	13.4
½	10.2	10.4	10.6	10.7	10.9	10.11	11.0	11.2	11.4	11.6	11.7	11.9	11.11	12.0	12.2	12.4	12.5	12.7	12.9	12.10	13.0	13.2	13.3	13.5
¾	10.3	10.4	10.6	10.8	10.10	10.11	11.1	11.3	11.4	11.6	11.8	11.9	11.11	12.1	12.2	12.4	12.6	12.7	12.9	12.11	13.0	13.2	13.4	13.5
6.9.0	10.3	10.5	10.7	10.8	10.10	11.0	11.1	11.3	11.5	11.6	11.8	11.10	11.11	12.1	12.3	12.4	12.6	12.8	12.10	12.11	13.1	13.3	13.4	13.6
¼	10.4	10.5	10.7	10.9	10.10	11.0	11.2	11.3	11.5	11.7	11.8	11.10	12.0	12.2	12.3	12.5	12.7	12.8	12.10	13.0	13.1	13.3	13.5	13.6
½	10.4	10.6	10.7	10.9	10.11	11.0	11.2	11.4	11.6	11.7	11.9	11.11	12.0	12.2	12.4	12.5	12.7	12.9	12.11	13.0	13.2	13.4	13.5	13.7
¾	10.4	10.6	10.8	10.9	10.11	11.1	11.3	11.4	11.6	11.8	11.9	11.11	12.1	12.2	12.4	12.6	12.8	12.9	12.11	13.1	13.2	13.4	13.6	13.7
6.10.0	10.5	10.6	10.8	10.10	11.0	11.1	11.3	11.5	11.6	11.8	11.10	11.11	12.1	12.3	12.5	12.6	12.8	12.10	12.11	13.1	13.3	13.5	13.6	13.8
¼	10.5	10.7	10.9	10.11	11.0	11.2	11.3	11.5	11.7	11.9	11.10	12.0	12.2	12.3	12.5	12.7	12.9	12.10	13.0	13.2	13.3	13.5	13.7	13.8
½	10.5	10.7	10.9	10.11	11.0	11.2	11.4	11.5	11.7	11.9	11.11	12.0	12.2	12.4	12.6	12.7	12.9	12.11	13.0	13.2	13.4	13.6	13.7	13.9
¾	10.6	10.8	10.9	10.11	11.1	11.2	11.4	11.6	11.8	11.9	11.11	12.1	12.3	12.4	12.6	12.8	12.9	12.11	13.1	13.3	13.4	13.6	13.8	13.9
6.11.0	10.6	10.8	10.10	10.11	11.1	11.3	11.5	11.6	11.8	11.10	12.0	12.1	12.3	12.5	12.6	12.8	12.10	13.0	13.1	13.3	13.5	13.7	13.8	13.10
¼	10.7	10.8	10.10	11.0	11.2	11.3	11.5	11.7	11.8	11.10	12.0	12.2	12.3	12.5	12.7	12.9	12.10	13.0	13.2	13.4	13.5	13.7	13.9	13.10
½	10.7	10.9	10.10	11.0	11.2	11.4	11.5	11.7	11.9	11.11	12.0	12.2	12.4	12.6	12.7	12.9	12.11	13.1	13.2	13.4	13.6	13.8	13.9	13.11
¾	10.7	10.9	10.11	11.1	11.2	11.4	11.6	11.8	11.9	11.11	12.1	12.3	12.4	12.6	12.8	12.10	12.11	13.1	13.3	13.5	13.6	13.8	13.10	13.11
7.0.0	10.8	10.9	10.11	11.1	11.3	11.4	11.6	11.8	11.10	11.11	12.1	12.3	12.5	12.6	12.8	12.10	13.0	13.1	13.3	13.5	13.7	13.8	13.10	14.0
¼	10.8	10.10	11.0	11.1	11.3	11.5	11.7	11.8	11.10	12.0	12.2	12.3	12.5	12.7	12.9	12.10	13.0	13.2	13.4	13.5	13.7	13.9	13.11	14.0
½	10.9	10.10	11.0	11.2	11.4	11.5	11.7	11.9	11.11	12.0	12.2	12.4	12.6	12.7	12.9	12.11	13.1	13.2	13.4	13.6	13.8	13.9	13.11	14.1
¾	10.9	10.11	11.0	11.2	11.4	11.6	11.7	11.9	11.11	12.1	12.3	12.4	12.6	12.8	12.10	12.11	13.1	13.3	13.5	13.6	13.8	13.10	14.0	14.1
7.1.0	10.9	10.11	11.1	11.3	11.4	11.6	11.8	11.10	11.11	12.1	12.3	12.5	12.7	12.8	12.10	13.0	13.2	13.3	13.5	13.7	13.9	13.10	14.0	14.2
¼	10.10	10.11	11.1	11.3	11.5	11.7	11.8	11.10	12.0	12.2	12.3	12.5	12.7	12.9	12.11	13.0	13.2	13.4	13.6	13.7	13.9	13.11	14.1	14.2
½	10.10	11.0	11.2	11.3	11.5	11.7	11.9	11.10	12.0	12.2	12.4	12.6	12.7	12.9	12.11	13.1	13.3	13.5	13.6	13.8	13.10	13.11	14.1	14.3
¾	10.10	11.0	11.2	11.4	11.6	11.7	11.9	11.11	12.1	12.2	12.4	12.6	12.8	12.10	12.11	13.1	13.3	13.5	13.7	13.8	13.10	14.0	14.2	14.3
7.2.0	10.11	11.1	11.2	11.4	11.6	11.8	11.10	11.11	12.1	12.3	12.5	12.6	12.8	12.10	13.0	13.2	13.3	13.5	13.7	13.9	13.11	14.0	14.2	14.4
¼	10.11	11.1	11.3	11.5	11.6	11.8	11.10	12.0	12.2	12.3	12.5	12.7	12.9	12.11	13.0	13.2	13.4	13.6	13.8	13.9	13.11	14.1	14.3	14.4
½	11.0	11.2	11.3	11.5	11.7	11.9	11.10	12.0	12.2	12.4	12.6	12.7	12.9	12.11	13.1	13.3	13.4	13.6	13.8	13.10	14.0	14.1	14.3	14.5
¾	11.0	11.2	11.4	11.5	11.7	11.9	11.11	12.1	12.3	12.4	12.6	12.8	12.10	12.11	13.1	13.3	13.5	13.7	13.8	13.10	14.0	14.2	14.4	14.5
7.3.0	11.0	11.2	11.4	11.6	11.8	11.9	11.11	12.1	12.3	12.5	12.6	12.8	12.10	13.0	13.2	13.3	13.5	13.7	13.9	13.11	14.1	14.2	14.4	14.6
¼	11.1	11.3	11.4	11.6	11.8	11.10	12.0	12.1	12.3	12.5	12.7	12.9	12.11	13.0	13.2	13.4	13.6	13.8	13.9	13.11	14.1	14.3	14.5	14.6
½	11.1	11.3	11.5	11.7	11.8	11.10	12.0	12.2	12.4	12.5	12.7	12.9	12.11	13.1	13.3	13.4	13.6	13.8	13.10	14.0	14.2	14.3	14.5	14.7
¾	11.1	11.3	11.5	11.7	11.9	11.11	12.0	12.2	12.4	12.6	12.8	12.10	13.0	13.1	13.3	13.5	13.7	13.9	13.10	14.0	14.2	14.4	14.6	14.7
7.4.0	11.2	11.4	11.5	11.7	11.9	11.11	12.1	12.3	12.4	12.6	12.8	12.10	13.0	13.2	13.3	13.5	13.7	13.9	13.11	14.1	14.2	14.4	14.6	14.8
¼	11.2	11.4	11.6	11.8	11.10	11.11	12.1	12.3	12.5	12.7	12.9	12.10	13.0	13.2	13.4	13.6	13.8	13.9	13.11	14.1	14.3	14.5	14.7	14.8
½	11.3	11.4	11.6	11.8	11.10	12.0	12.2	12.3	12.5	12.7	12.9	12.11	13.1	13.3	13.4	13.6	13.8	13.10	14.0	14.2	14.3	14.5	14.7	14.9
¾	11.3	11.5	11.7	11.9	11.10	12.0	12.2	12.4	12.6	12.8	12.9	12.11	13.1	13.3	13.5	13.7	13.9	13.10	14.0	14.2	14.4	14.6	14.8	14.9
7.5.0	11.3	11.5	11.7	11.9	11.11	12.1	12.2	12.4	12.6	12.8	12.10	13.0	13.2	13.3	13.5	13.7	13.9	13.11	14.1	14.3	14.4	14.6	14.8	14.10
¼	11.4	11.6	11.7	11.9	11.11	12.1	12.3	12.5	12.7	12.8	12.10	13.0	13.2	13.4	13.6	13.8	13.9	13.11	14.1	14.3	14.5	14.7	14.9	14.10
½	11.4	11.6	11.8	11.10	12.0	12.1	12.3	12.5	12.7	12.9	12.11	13.1	13.2	13.4	13.7	13.8	13.10	14.0	14.2	14.4	14.5	14.7	14.9	14.11
¾	11.4	11.6	11.8	11.10	12.0	12.2	12.4	12.6	12.7	12.9	12.11	13.1	13.3	13.5	13.7	13.9	13.10	14.0	14.2	14.4	14.6	14.8	14.10	14.11
7.6.0	11.5	11.7	11.9	11.10	12.0	12.2	12.4	12.6	12.8	12.10	13.0	13.1	13.3	13.5	13.7	13.9	13.11	14.1	14.3	14.4	14.6	14.8	14.10	15.0
¼	11.5	11.7	11.9	11.11	12.1	12.3	12.5	12.6	12.8	12.10	13.0	13.2	13.4	13.6	13.8	13.9	13.11	14.1	14.3	14.5	14.7	14.9	14.11	15.0
½	11.6	11.8	11.9	11.11	12.1	12.3	12.5	12.7	12.9	12.11	13.0	13.2	13.4	13.6	13.8	13.10	14.0	14.2	14.4	14.5	14.7	14.9	14.11	15.1
¾	11.6	11.8	11.10	12.0	12.2	12.3	12.5	12.7	12.9	12.11	13.1	13.3	13.5	13.7	13.8	13.11	14.0	14.2	14.4	14.6	14.8	14.10	15.0	15.1
7.7.0	11.6	11.8	11.10	12.0	12.2	12.4	12.6	12.8	12.10	12.11	13.1	13.3	13.5	13.7	13.9	13.11	14.1	14.3	14.5	14.6	14.8	14.10	15.0	15.2
¼	11.7	11.9	11.11	12.0	12.2	12.4	12.6	12.8	12.10	13.0	13.2	13.4	13.6	13.7	13.9	13.11	14.1	14.3	14.5	14.7	14.9	14.11	15.1	15.2
½	11.7	11.9	11.11	12.1	12.3	12.5	12.7	12.8	12.10	13.0	13.2	13.4	13.6	13.8	13.10	14.0	14.2	14.4	14.5	14.7	14.9	14.11	15.1	15.3
¾	11.8	11.9	11.11	12.1	12.3	12.5	12.7	12.9	12.11	13.1	13.3	13.5	13.6	13.8	13.10	14.0	14.2	14.4	14.6	14.8	14.10	15.0	15.2	15.3
7.8.0	11.8	11.10	12.0	12.2	12.4	12.5	12.7	12.9	12.11	13.1	13.3	13.5	13.7	13.9	13.11	14.1	14.3	14.4	14.6	14.8	14.10	15.0	15.2	15.4
¼	11.8	11.10	12.0	12.2	12.4	12.6	12.8	12.10	13.0	13.2	13.4	13.5	13.7	13.9	13.11	14.1	14.3	14.5	14.7	14.9	14.11	15.1	15.3	15.4
½	11.9	11.11	12.1	12.2	12.4	12.6	12.8	12.10	13.0	13.2	13.4	13.6	13.8	13.10	14.0	14.2	14.4	14.5	14.7	14.9	14.11	15.1	15.3	15.5
¾	11.9	11.11	12.1	12.3	12.5	12.7	12.9	12.11	13.1	13.2	13.4	13.6	13.8	13.10	14.0	14.2	14.4	14.6	14.8	14.10	15.0	15.2	15.4	15.5
7.9.0	11.9	11.11	12.1	12.3	12.5	12.7	12.9	12.11	13.1	13.3	13.5	13.7	13.9	13.11	14.1	14.2	14.4	14.6	14.8	14.10	15.0	15.2	15.4	15.6
¼	11.10	12.0	12.2	12.4	12.6	12.8	12.9	12.11	13.1	13.3	13.5	13.7	13.9	13.11	14.1	14.3	14.5	14.7	14.9	14.11	15.1	15.3	15.5	15.6
½	11.10	12.0	12.2	12.4	12.6	12.8	12.10	13.0	13.2	13.4	13.6	13.8	13.10	14.0	14.1	14.3	14.5	14.7	14.9	14.11	15.1	15.3	15.5	15.7
¾	11.11	12.1	12.2	12.4	12.7	12.8	12.10	13.0	13.2	13.4	13.6	13.8	13.10	14.0	14.2	14.4	14.6	14.8	14.10	15.0	15.2	15.4	15.6	15.7
7.10.0	11.11	12.1	12.3	12.5	12.7	12.9	12.11	13.1	13.3	13.5	13.7	13.8	13.10	14.0	14.2	14.4	14.6	14.8	14.10	15.0	15.2	15.4	15.6	15.8
¼	11.11	12.1	12.3	12.5	12.7	12.9	12.11	13.1	13.3	13.5	13.7	13.9	13.11	14.1	14.3	14.5	14.7	14.9	14.11	15.1	15.3	15.5	15.7	15.8
½	12.0	12.2	12.4	12.6	12.8	12.10	13.0	13.1	13.3	13.5	13.7	13.9	13.11	14.1	14.3	14.5	14.7	14.9	14.11	15.1	15.3	15.5	15.7	15.9
¾	12.0	12.2	12.4	12.6	12.8	12.10	13.0	13.2	13.4	13.6	13.8	13.10	14.0	14.2	14.4	14.6	14.8	14.10	15.0	15.2	15.4	15.6	15.8	15.9
7.11.0	12.0	12.2	12.4	12.6	12.8	12.10	13.0	13.2	13.4	13.6	13.8	13.10	14.0	14.2	14.4	14.6	14.8	14.10	15.0	15.2	15.4	15.6	15.8	15.10
¼	12.1	12.3	12.5	12.7	12.9	12.11	13.1	13.3	13.5	13.7	13.9	13.11	14.1	14.2	14.5	14.7	14.9	14.11	15.1	15.3	15.5	15.7	15.9	15.10
½	12.1	12.3	12.5	12.7	12.9	12.11	13.1	13.3	13.5	13.7	13.9	13.11	14.1	14.3	14.5	14.7	14.9	14.11	15.1	15.3	15.5	15.7	15.9	15.11
¾	12.2	12.4	12.6	12.8	12.10	13.0	13.2	13.4	13.6	13.8	13.10	14.0	14.2	14.4	14.6	14.8	14.10	15.0	15.2	15.4	15.6	15.8	15.10	15.11
8.0.0	12.2	12.4	12.6	12.8	12.10	13.0	13.2	13.4	13.6	13.8	13.10	14.0	14.2	14.4	14.6	14.8	14.10	15.0	15.2	15.4	15.6	15.8	15.10	16.0
¼	12.2	12.4	12.6	12.8	12.10	13.0	13.2	13.4	13.6	13.8	13.10	14.0	14.2	14.4	14.6	14.8	14.10	15.0	15.2	15.4	15.6	15.8	15.10	16.0
½	12.3	12.5	12.7	12.9	12.11	13.1	13.3	13.5	13.7	13.9	13.11	14.1	14.3	14.5	14.7	14.9	14.11	15.1	15.3	15.5	15.7	15.9	15.11	16.1
¾	12.3	12.5	12.7	12.9	12.11	13.1	13.3	13.5	13.7	13.9	13.11	14.1	14.3	14.5	14.7	14.9	14.11	15.1	15.3	15.5	15.7	15.9	15.11	16.1
8.1.0	12.4	12.6	12.8	12.10	13.0	13.2	13.4	13.6	13.8	13.10	14.0	14.2	14.4	14.6	14.8	14.10	15.0	15.2	15.4	15.6	15.8	15.10	16.0	16.2
¼	12.4	12.6	12.8	12.10	13.0	13.2	13.4	13.6	13.8	13.10	14.0	14.2	14.4	14.6	14.8	14.10	15.0	15.2	15.4	15.6	15.8	15.10	16.0	16.2
½	12.4	12.6	12.8	12.10	13.0	13.2	13.4	13.6	13.9	13.11	14.1	14.3	14.5	14.7	14.9	14.11	15.1	15.3	15.5	15.7	15.9	15.11	16.1	16.3
¾	12.5	12.7	12.9	12.11	13.1	13.3	13.5	13.7	13.9	13.11	14.1	14.3	14.5	14.7	14.9	14.11	15.1	15.3	15.5	15.7	15.9	16.0	16.1	16.3
8.2.0	12.5	12.7	12.9	12.11	13.1	13.3	13.5	13.7	13.9	13.11	14.1	14.3	14.6	14.8	14.10	15.0	15.2	15.4	15.6	15.8	15.10	16.0	16.2	16.4
¼	12.5	12.7	12.10	13.0	13.2	13.4	13.6	13.8	13.10	14.0	14.2	14.4	14.6	14.8	14.10	15.0	15.2	15.4	15.6	15.8	15.10	16.0	16.2	16.4
½	12.6	12.8	12.10	13.0	13.2	13.4	13.6	13.8	13.10	14.0	14.2	14.4	14.6	14.8	14.11	15.1	15.3	15.5	15.7	15.9	15.11	16.1	16.3	16.5
¾	12.6	12.8	12.10	13.0	13.2	13.4	13.7	13.9	13.11	14.1	14.3	14.5	14.7	14.9	14.11	15.1	15.3	15.5	15.7	15.9	15.11	16.1	16.3	16.5
8.3.0	12.7	12.9	12.11	13.1	13.3	13.5	13.7	13.9	13.11	14.1	14.3	14.5	14.7	14.9	14.11	15.1	15.4	15.6	15.8	15.10	16.0	16.2	16.4	16.6
¼	12.7	12.9	12.11	13.1	13.3	13.5	13.7	13.9	13.11	14.2	14.4	14.6	14.8	14.10	15.0	15.2	15.4	15.6	15.8	15.10	16.0	16.2	16.4	16.6
½	12.7	12.9	12.11	13.2	13.4	13.6	13.8	13.10	14.0	14.2	14.4	14.6	14.8	14.10	15.0	15.2	15.4	15.7	15.9	15.11	16.1	16.3	16.5	16.7
¾	12.8	12.10	13.0	13.2	13.4	13.6	13.8	13.10	14.0	14.2	14.4	14.7	14.9	14.11	15.1	15.3	15.5	15.7	15.9	15.11	16.1	16.3	16.5	16.7
8.4.0	12.8	12.10	13.0	13.2	13.4	13.6	13.9	13.11	14.1	14.3	14.5	14.7	14.9	14.11	15.1	15.3	15.5	15.7	15.10	16.0	16.2	16.4	16.6	16.8
¼	12.8	12.11	13.1	13.3	13.5	13.7	13.9	13.11	14.1	14.3	14.5	14.7	14.10	15.0	15.2	15.4	15.6	15.8	15.10	16.0	16.2	16.4	16.6	16.8
½	12.9	12.11	13.1	13.3	13.5	13.7	13.9	13.11	14.2	14.4	14.6	14.8	14.10	15.0	15.2	15.4	15.6	15.8	15.11	16.1	16.3	16.5	16.7	16.9
¾	12.9	12.11	13.1	13.4	13.6	13.8	13.10	14.0	14.2	14.4	14.6	14.8	14.10	15.1	15.3	15.5	15.7	15.9	15.11	16.1	16.3	16.5	16.7	16.9
8.5.0	12.10	13.0	13.2	13.4	13.6	13.8	13.10	14.0	14.2	14.5	14.7	14.9	14.11	15.1	15.3	15.5	15.7	15.9	15.11	16.2	16.4	16.6	16.8	16.10
¼	12.10	13.0	13.2	13.4	13.6	13.9	13.11	14.1	14.3	14.5	14.7	14.9	14.11	15.1	15.4	15.6	15.8	15.10	16.0	16.2	16.4	16.6	16.8	16.10
½	12.10	13.0	13.3	13.5	13.7	13.9	13.11	14.1	14.3	14.5	14.8	14.10	15.0	15.2	15.4	15.6	15.8	15.10	16.0	16.3	16.5	16.7	16.9	16.11
¾	12.11	13.1	13.3	13.5	13.7	13.9	13.11	14.2	14.4	14.6	14.8	14.10	15.0	15.2	15.4	15.7	15.9	15.11	16.1	16.3	16.5	16.7	16.9	16.11
8.6.0	12.11	13.1	13.3	13.5	13.8	13.10	14.0	14.2	14.4	14.6	14.8	14.10	15.1	15.3	15.5	15.7	15.9	15.11	16.1	16.3	16.6	16.8	16.10	17.0
¼	13.0	13.2	13.4	13.6	13.8	13.10	14.0	14.2	14.5	14.7	14.9	14.11	15.1	15.3	15.5	15.7	15.10	16.0	16.2	16.4	16.6	16.8	16.10	17.0
½	13.0	13.2	13.4	13.6	13.8	13.11	14.1	14.3	14.5	14.7	14.9	14.11	15.2	15.4	15.6	15.8	15.10	16.0	16.2	16.4	16.7	16.9	16.11	17.1
¾	13.0	13.2	13.4	13.7	13.9	13.11	14.1	14.3	14.5	14.8	14.10	15.0	15.2	15.4	15.6	15.8	15.11	16.1	16.3	16.5	16.7	16.9	16.11	17.1
8.7.0	13.1	13.3	13.5	13.7	13.9	13.11	14.2	14.4	14.6	14.8	14.10	15.0	15.2	15.5	15.7	15.9	15.11	16.1	16.3	16.5	16.8	16.10	17.0	17.2
¼	13.1	13.3	13.5	13.8	13.10	14.0	14.2	14.4	14.6	14.8	14.11	15.1	15.3	15.5	15.7	15.9	15.11	16.2	16.4	16.6	16.8	16.10	17.0	17.2
½	13.1	13.4	13.6	13.8	13.10	14.0	14.2	14.4	14.7	14.9	14.11	15.1	15.3	15.5	15.8	15.10	16.0	16.2	16.4	16.6	16.9	16.11	17.1	17.3
¾	13.2	13.4	13.6	13.8	13.10	14.1	14.3	14.5	14.7	14.9	14.11	15.2	15.4	15.6	15.8	15.10	16.0	16.3	16.5	16.7	16.9	16.11	17.1	17.3
8.8.0	13.2	13.4	13.6	13.9	13.11	14.1	14.3	14.5	14.7	14.10	15.0	15.2	15.4	15.6	15.8	15.11	16.1	16.3	16.5	16.7	16.9	17.0	17.2	17.4
¼	13.3	13.5	13.7	13.9	13.11	14.1	14.4	14.6	14.8	14.10	15.0	15.2	15.5	15.7	15.9	15.11	16.1	16.3	16.6	16.8	16.10	17.0	17.2	17.4
½	13.3	13.5	13.7	13.9	14.0	14.2	14.4	14.6	14.8	14.11	15.1	15.3	15.5	15.7	15.9	16.0	16.2	16.4	16.6	16.8	16.10	17.1	17.3	17.5
¾	13.3	13.5	13.8	13.10	14.0	14.2	14.4	14.7	14.9	14.11	15.1	15.3	15.5	15.8	15.10	16.0	16.2	16.4	16.7	16.9	16.11	17.1	17.3	17.5
8.9.0	13.4	13.6	13.8	13.10	14.0	14.3	14.5	14.7	14.9	14.11	15.2	15.4	15.6	15.8	15.10	16.0	16.3	16.5	16.7	16.9	16.11	17.2	17.4	17.6
¼	13.4	13.6	13.8	13.11	14.1	14.3	14.5	14.7	14.10	15.0	15.2	15.4	15.6	15.9	15.11	16.1	16.3	16.5	16.8	16.10	17.0	17.2	17.4	17.6
½	13.4	13.7	13.9	13.11	14.1	14.3	14.6	14.8	14.10	15.0	15.2	15.5	15.7	15.9	15.11	16.1	16.4	16.6	16.8	16.10	17.0	17.3	17.5	17.7
¾	13.5	13.7	13.9	13.11	14.2	14.4	14.6	14.8	14.10	15.1	15.3	15.5	15.7	15.9	16.0	16.2	16.4	16.6	16.8	16.11	17.0	17.3	17.5	17.7
8.10.0	13.5	13.7	13.10	14.0	14.2	14.4	14.6	14.9	14.11	15.1	15.3	15.5	15.8	15.10	16.0	16.2	16.5	16.7	16.9	16.11	17.0	17.4	17.6	17.8
¼	13.6	13.8	13.10	14.0	14.2	14.5	14.7	14.9	14.11	15.2	15.3	15.6	15.8	15.10	16.1	16.3	16.5	16.7	16.9	17.0	17.0	17.4	17.6	17.8
½	13.6	13.8	13.10	14.0	14.3	14.5	14.7	14.9	15.0	15.2	15.4	15.6	15.9	15.11	16.1	16.3	16.5	16.8	16.10	17.0	17.0	17.5	17.7	17.9
¾	13.6	13.9	13.11	14.1	14.3	14.5	14.8	14.10	15.0	15.2	15.4	15.7	15.9	15.11	16.1	16.4	16.6	16.8	16.10	17.1	17.3	17.5	17.7	17.9
8.11.0	13.7	13.9	13.11	14.1	14.4	14.6	14.8	14.10	15.1	15.3	15.5	15.7	15.9	16.0	16.2	16.4	16.6	16.9	16.11	17.1	17.3	17.6	17.8	17.10
¼	13.7	13.9	14.0	14.2	14.4	14.6	14.9	14.11	15.1	15.3	15.5	15.8	15.10	16.0	16.2	16.5	16.7	16.9	16.11	17.2	17.4	17.6	17.8	17.10
½	13.7	13.10	14.0	14.2	14.4	14.7	14.9	14.11	15.1	15.4	15.6	15.8	15.10	16.1	16.3	16.5	16.7	16.10	17.0	17.2	17.4	17.7	17.9	17.11
¾	13.8	13.10	14.0	14.3	14.5	14.7	14.9	15.0	15.2	15.4	15.6	15.9	15.11	16.1	16.3	16.6	16.8	16.10	17.0	17.3	17.5	17.7	17.9	17.11

A TABLE OF FEET AND INCHES

from 9 foot by 1 foot 6 inches and 1 quarter to 11 foot 5 inches and 3 quarters by 2 foot.

	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.
F.I. Parts	1.6¼	1.6½	1.6¾	1.7	1.7¼	1.7½	1.7¾	1.8	1.8¼	1.8½	1.8¾	1.9	1.9¼	1.9½	1.9¾	1.10	1.10¼	1.10½	1.10¾	1.11	1.11¼	1.11½	1.11¾	2.0
9.0.0	13.8	13.10	14.1	14.3	14.5	14.7	14.10	15.0	15.2	15.4	15.6	15.9	15.11	16.1	16.4	16.6	16.8	16.10	17.1	17.3	17.5	17.7	17.10	18.0
¼	13.8	13.11	14.1	14.3	14.6	14.8	14.10	15.0	15.3	15.5	15.7	15.9	16.0	16.2	16.4	16.6	16.9	16.11	17.1	17.3	17.6	17.8	17.10	18.0
½	13.9	13.11	14.2	14.4	14.6	14.8	14.11	15.1	15.3	15.5	15.8	15.10	16.0	16.2	16.5	16.7	16.9	16.11	17.2	17.4	17.6	17.8	17.11	18.1
¾	13.9	14.0	14.2	14.4	14.6	14.9	14.11	15.1	15.4	15.6	15.8	15.10	16.1	16.3	16.5	16.7	16.10	17.0	17.2	17.4	17.7	17.9	17.11	18.1
9.1.0	13.10	14.0	14.2	14.5	14.7	14.9	14.11	15.2	15.4	15.6	15.8	15.11	16.1	16.3	16.6	16.8	16.10	17.0	17.3	17.5	17.7	17.9	18.0	18.2
¼	13.10	14.0	14.3	14.5	14.7	14.10	15.0	15.2	15.4	15.7	15.9	15.11	16.1	16.4	16.6	16.8	16.11	17.1	17.3	17.5	17.8	17.10	18.0	18.2
½	13.11	14.1	14.3	14.5	14.8	14.10	15.0	15.2	15.5	15.7	15.9	16.0	16.2	16.4	16.6	16.9	16.11	17.1	17.4	17.6	17.8	17.10	18.1	18.3
¾	13.11	14.1	14.3	14.6	14.8	14.10	15.1	15.3	15.5	15.7	15.10	16.0	16.2	16.5	16.7	16.9	16.11	17.2	17.4	17.6	17.9	17.11	18.1	18.3
9.2.0	14.0	14.2	14.4	14.6	14.8	14.11	15.1	15.3	15.6	15.8	15.10	16.0	16.3	16.5	16.7	16.10	17.0	17.2	17.5	17.7	17.9	17.11	18.2	18.4
¼	14.0	14.2	14.4	14.7	14.9	14.11	15.1	15.4	15.6	15.8	15.11	16.1	16.3	16.6	16.8	16.10	17.0	17.3	17.5	17.7	17.10	18.0	18.2	18.4
½	14.0	14.2	14.5	14.7	14.9	15.0	15.2	15.4	15.6	15.9	15.11	16.1	16.4	16.6	16.8	16.11	17.1	17.3	17.5	17.8	17.10	18.0	18.3	18.5
¾	14.0	14.3	14.5	14.7	14.10	15.0	15.2	15.5	15.7	15.9	16.0	16.2	16.4	16.6	16.9	16.11	17.1	17.4	17.6	17.8	17.11	18.1	18.3	18.5
9.3.0	14.1	14.3	14.5	14.8	14.10	15.0	15.3	15.5	15.7	15.10	16.0	16.2	16.5	16.7	16.9	16.11	17.2	17.4	17.6	17.9	17.11	18.1	18.4	18.6
¼	14.1	14.4	14.6	14.8	14.10	15.1	15.3	15.5	15.8	15.10	16.0	16.3	16.5	16.7	16.10	17.0	17.2	17.5	17.7	17.9	18.0	18.2	18.4	18.6
½	14.2	14.4	14.6	14.9	14.11	15.1	15.4	15.6	15.8	15.10	16.1	16.3	16.5	16.8	16.10	17.0	17.3	17.5	17.7	17.10	18.0	18.2	18.5	18.7
¾	14.2	14.4	14.7	14.9	14.11	15.2	15.4	15.6	15.9	15.11	16.1	16.4	16.6	16.8	16.11	17.1	17.3	17.6	17.8	17.10	18.1	18.3	18.5	18.7
9.4.0	14.2	14.5	14.7	14.9	15.0	15.2	15.4	15.7	15.9	15.11	16.2	16.4	16.6	16.9	16.11	17.1	17.4	17.6	17.8	17.11	18.1	18.3	18.6	18.8
¼	14.3	14.5	14.7	14.10	15.0	15.2	15.5	15.7	15.9	16.0	16.2	16.4	16.7	16.9	16.11	17.2	17.4	17.6	17.9	17.11	18.1	18.4	18.6	18.8
½	14.3	14.5	14.8	14.10	15.0	15.3	15.5	15.7	15.10	16.0	16.3	16.5	16.7	16.10	17.0	17.2	17.5	17.7	17.9	18.0	18.2	18.4	18.7	18.9
¾	14.3	14.6	14.8	14.11	15.1	15.3	15.6	15.8	15.10	16.1	16.3	16.5	16.8	16.10	17.0	17.3	17.5	17.7	17.10	18.0	18.2	18.5	18.7	18.9
9.5.0	14.4	14.6	14.9	14.11	15.1	15.4	15.6	15.8	15.11	16.1	16.3	16.6	16.8	16.10	17.1	17.3	17.6	17.8	17.10	18.1	18.3	18.5	18.8	18.10
¼	14.4	14.7	14.9	14.11	15.2	15.4	15.6	15.9	15.11	16.1	16.4	16.6	16.9	16.11	17.1	17.4	17.6	17.8	17.11	18.1	18.3	18.6	18.8	18.10
½	14.5	14.7	14.9	15.0	15.2	15.4	15.7	15.9	16.0	16.2	16.4	16.7	16.9	16.11	17.2	17.4	17.6	17.9	17.11	18.2	18.4	18.6	18.9	18.11
¾	14.5	14.7	14.10	15.0	15.2	15.5	15.7	15.10	16.0	16.2	16.5	16.7	16.9	17.0	17.2	17.5	17.7	17.9	18.0	18.2	18.4	18.7	18.9	18.11
9.6.0	14.5	14.8	14.10	15.0	15.3	15.5	15.8	15.10	16.0	16.3	16.5	16.7	16.10	17.0	17.3	17.5	17.7	17.10	18.0	18.2	18.5	18.7	18.10	19.0
¼	14.6	14.8	14.11	15.1	15.3	15.6	15.8	15.10	16.1	16.3	16.6	16.8	16.10	17.1	17.3	17.5	17.8	17.10	18.1	18.3	18.5	18.8	18.10	19.0
½	14.6	14.9	14.11	15.1	15.4	15.6	15.8	15.11	16.1	16.4	16.6	16.8	16.11	17.1	17.4	17.6	17.8	17.11	18.1	18.3	18.6	18.8	18.11	19.1
¾	14.7	14.9	14.11	15.2	15.4	15.6	15.9	15.11	16.2	16.4	16.6	16.9	16.11	17.2	17.4	17.6	17.9	17.11	18.2	18.4	18.6	18.9	18.11	19.1
9.7.0	14.7	14.9	15.0	15.2	15.4	15.7	15.9	16.0	16.2	16.4	16.7	16.9	17.0	17.2	17.4	17.7	17.9	18.0	18.2	18.4	18.7	18.9	19.0	19.2
¼	14.7	14.10	15.0	15.2	15.5	15.7	15.10	16.0	16.2	16.5	16.7	16.10	17.0	17.2	17.5	17.7	17.10	18.0	18.2	18.5	18.7	18.10	19.0	19.2
½	14.8	14.10	15.0	15.3	15.5	15.8	15.10	16.0	16.3	16.5	16.8	16.10	17.1	17.3	17.5	17.8	17.10	18.1	18.3	18.5	18.8	18.10	19.1	19.3
¾	14.8	14.10	15.1	15.3	15.6	15.8	15.11	16.1	16.3	16.6	16.8	16.11	17.1	17.3	17.6	17.8	17.11	18.1	18.3	18.6	18.8	18.11	19.1	19.3
9.8.0	14.8	14.11	15.1	15.4	15.6	15.9	15.11	16.1	16.4	16.6	16.9	16.11	17.1	17.4	17.6	17.9	17.11	18.1	18.4	18.6	18.9	18.11	19.2	19.4
¼	14.9	14.11	15.2	15.4	15.6	15.9	15.11	16.2	16.4	16.7	16.9	16.11	17.2	17.4	17.7	17.9	18.0	18.2	18.4	18.7	18.9	19.0	19.2	19.4
½	14.9	15.0	15.2	15.4	15.7	15.9	16.0	16.2	16.5	16.7	16.9	17.0	17.2	17.5	17.7	17.10	18.0	18.2	18.5	18.7	18.9	19.0	19.3	19.5
¾	14.10	15.0	15.2	15.5	15.7	15.10	16.0	16.3	16.5	16.7	16.10	17.0	17.3	17.5	17.8	17.10	18.0	18.3	18.5	18.8	18.10	19.1	19.3	19.5
9.9.0	14.10	15.0	15.3	15.5	15.8	15.10	16.1	16.3	16.5	16.8	16.10	17.1	17.3	17.6	17.8	17.10	18.1	18.3	18.6	18.8	18.11	19.1	19.4	19.6
¼	14.10	15.1	15.3	15.6	15.8	15.11	16.1	16.3	16.6	16.8	16.11	17.1	17.4	17.6	17.9	17.11	18.1	18.4	18.6	18.9	18.11	19.2	19.4	19.6
½	14.11	15.1	15.4	15.6	15.8	15.11	16.1	16.4	16.6	16.9	16.11	17.2	17.4	17.7	17.9	17.11	18.2	18.4	18.7	18.9	19.0	19.2	19.4	19.7
¾	14.11	15.2	15.4	15.6	15.9	15.11	16.2	16.4	16.7	16.9	17.0	17.2	17.5	17.7	17.9	18.0	18.2	18.5	18.7	18.10	19.0	19.3	19.5	19.7
9.10.0	14.11	15.2	15.4	15.7	15.9	16.0	16.2	16.5	16.7	16.10	17.0	17.2	17.5	17.7	17.10	18.0	18.3	18.5	18.8	18.10	19.1	19.3	19.5	19.8
¼	15.0	15.2	15.5	15.7	15.10	16.0	16.3	16.5	16.8	16.10	17.0	17.3	17.5	17.8	17.10	18.1	18.3	18.6	18.8	18.11	19.1	19.4	19.6	19.8
½	15.0	15.3	15.5	15.8	15.10	16.1	16.3	16.5	16.8	16.10	17.1	17.3	17.6	17.8	17.11	18.1	18.4	18.6	18.9	18.11	19.2	19.4	19.6	19.9
¾	15.1	15.3	15.6	15.8	15.10	16.1	16.3	16.6	16.8	16.11	17.1	17.4	17.6	17.9	17.11	18.2	18.4	18.7	18.9	19.0	19.2	19.5	19.7	19.9
9.11.0	15.1	15.3	15.6	15.8	15.11	16.1	16.4	16.6	16.9	16.11	17.2	17.4	17.7	17.9	18.0	18.2	18.5	18.7	18.10	19.0	19.3	19.5	19.7	19.10
¼	15.1	15.4	15.6	15.9	15.11	16.2	16.4	16.7	16.9	17.0	17.2	17.5	17.7	17.10	18.0	18.3	18.5	18.8	18.10	19.1	19.3	19.6	19.8	19.10
½	15.2	15.4	15.7	15.9	16.0	16.2	16.5	16.7	16.10	17.0	17.3	17.5	17.8	17.10	18.1	18.3	18.6	18.8	18.11	19.1	19.4	19.6	19.9	19.11
¾	15.2	15.5	15.7	15.10	16.0	16.3	16.5	16.8	16.10	17.0	17.3	17.6	17.8	17.11	18.1	18.4	18.6	18.9	18.11	19.2	19.4	19.7	19.9	19.11
10.0.0	15.3	15.5	15.7	15.10	16.0	16.3	16.5	16.8	16.10	17.1	17.3	17.6	17.8	17.11	18.1	18.4	18.7	18.9	18.11	19.2	19.4	19.7	19.9	20.0
¼	15.3	15.5	15.8	15.10	16.1	16.3	16.6	16.8	16.11	17.1	17.4	17.6	17.9	17.11	18.2	18.4	18.7	18.9	19.0	19.2	19.5	19.7	19.10	20.0
½	15.3	15.6	15.8	15.11	16.1	16.4	16.6	16.9	16.11	17.2	17.4	17.7	17.9	18.0	18.2	18.5	18.7	18.10	19.0	19.3	19.5	19.8	19.10	20.1
¾	15.4	15.6	15.9	15.11	16.2	16.4	16.7	16.9	17.0	17.2	17.5	17.7	17.10	18.0	18.3	18.5	18.8	18.10	19.1	19.3	19.6	19.8	19.11	20.1
10.1.0	15.4	15.7	15.9	16.0	16.2	16.5	16.7	16.10	17.0	17.3	17.5	17.8	17.10	18.1	18.3	18.6	18.8	18.11	19.1	19.4	19.6	19.9	20.0	20.2
¼	15.4	15.7	15.10	16.0	16.3	16.5	16.8	16.10	17.1	17.3	17.6	17.8	17.11	18.1	18.4	18.6	18.9	18.11	19.2	19.4	19.7	19.9	20.0	20.2
½	15.5	15.7	15.10	16.0	16.3	16.5	16.8	16.10	17.1	17.4	17.6	17.9	17.11	18.2	18.4	18.7	18.9	19.0	19.2	19.5	19.7	19.10	20.0	20.3
¾	15.5	15.8	15.10	16.1	16.3	16.6	16.8	16.11	17.1	17.4	17.7	17.9	18.0	18.2	18.5	18.7	18.10	19.0	19.3	19.5	19.8	19.10	20.1	20.3
10.2.0	15.6	15.8	15.11	16.1	16.4	16.6	16.9	16.11	17.2	17.4	17.7	17.9	18.0	18.3	18.5	18.8	18.10	19.1	19.3	19.6	19.8	19.11	20.1	20.4
¼	15.6	15.8	15.11	16.2	16.4	16.7	16.9	17.0	17.2	17.5	17.7	17.10	18.0	18.3	18.6	18.8	18.11	19.1	19.4	19.6	19.9	19.11	20.2	20.4
½	15.6	15.9	15.11	16.2	16.5	16.7	16.10	17.0	17.3	17.5	17.8	17.10	18.1	18.3	18.6	18.9	18.11	19.2	19.4	19.7	19.9	20.0	20.2	20.5
¾	15.7	15.9	16.0	16.2	16.5	16.7	16.10	17.1	17.3	17.6	17.8	17.11	18.1	18.4	18.6	18.9	19.0	19.2	19.5	19.7	19.10	20.0	20.3	20.5
10.3.0	15.7	15.10	16.0	16.3	16.5	16.8	16.10	17.1	17.4	17.6	17.9	17.11	18.2	18.4	18.7	18.9	19.0	19.3	19.5	19.8	19.10	20.1	20.3	20.6
¼	15.7	15.10	16.1	16.3	16.6	16.8	16.11	17.1	17.4	17.7	17.9	18.0	18.2	18.5	18.7	18.10	19.1	19.3	19.6	19.8	19.11	20.1	20.4	20.6
½	15.8	15.10	16.1	16.4	16.6	16.9	16.11	17.2	17.4	17.7	17.10	18.0	18.3	18.5	18.8	18.10	19.1	19.4	19.6	19.9	20.0	20.2	20.4	20.7
¾	15.8	15.11	16.1	16.4	16.7	16.9	17.0	17.2	17.5	17.7	17.10	18.0	18.3	18.6	18.8	18.11	19.1	19.4	19.7	19.9	20.0	20.2	20.5	20.7
10.4.0	15.9	15.11	16.2	16.4	16.7	16.9	17.0	17.3	17.5	17.8	17.10	18.1	18.4	18.6	18.9	18.11	19.2	19.4	19.7	19.10	20.0	20.3	20.5	20.8
¼	15.9	16.0	16.2	16.5	16.7	16.10	17.0	17.3	17.6	17.8	17.11	18.1	18.4	18.7	18.9	19.0	19.2	19.5	19.8	19.10	20.1	20.3	20.6	20.8
½	15.9	16.0	16.3	16.5	16.8	16.10	17.1	17.3	17.6	17.9	17.11	18.2	18.4	18.7	18.10	19.0	19.3	19.5	19.8	19.11	20.1	20.4	20.6	20.9
¾	15.10	16.0	16.3	16.6	16.8	16.11	17.1	17.4	17.7	17.9	18.0	18.2	18.5	18.8	18.10	19.1	19.3	19.6	19.9	19.11	20.2	20.4	20.7	20.9
10.5.0	15.10	16.1	16.3	16.6	16.9	16.11	17.2	17.4	17.7	17.10	18.0	18.3	18.5	18.8	18.11	19.1	19.4	19.6	19.9	20.0	20.2	20.5	20.7	20.10
¼	15.10	16.1	16.4	16.6	16.9	17.0	17.2	17.5	17.7	17.10	18.1	18.3	18.6	18.8	18.11	19.2	19.4	19.7	19.9	20.0	20.3	20.5	20.8	20.10
½	15.11	16.1	16.4	16.7	16.9	17.0	17.3	17.5	17.8	17.10	18.1	18.4	18.6	18.8	18.11	19.2	19.5	19.7	19.10	20.1	20.3	20.6	20.8	20.11
¾	15.11	16.2	16.4	16.7	16.10	17.0	17.3	17.6	17.8	17.11	18.1	18.4	18.7	18.9	19.0	19.3	19.5	19.8	19.10	20.1	20.4	20.6	20.9	20.11
10.6.0	16.0	16.2	16.5	16.7	16.10	17.1	17.3	17.6	17.9	17.11	18.2	18.4	18.7	18.10	19.0	19.3	19.6	19.8	19.11	20.1	20.4	20.7	20.9	21.0
¼	16.0	16.3	16.5	16.8	16.11	17.1	17.4	17.6	17.9	18.0	18.2	18.5	18.8	18.10	19.1	19.4	19.6	19.9	19.11	20.2	20.5	20.7	20.10	21.0
½	16.0	16.3	16.6	16.8	16.11	17.1	17.4	17.7	17.9	18.0	18.3	18.5	18.8	18.11	19.1	19.4	19.7	19.9	20.0	20.2	20.5	20.8	20.10	21.1
¾	16.1	16.3	16.6	16.9	16.11	17.2	17.5	17.7	17.10	18.0	18.3	18.6	18.8	18.11	19.2	19.4	19.7	19.10	20.0	20.3	20.6	20.8	20.11	21.1
10.7.0	16.1	16.4	16.6	16.9	17.0	17.2	17.5	17.8	17.10	18.1	18.4	18.6	18.9	19.0	19.2	19.5	19.7	19.10	20.1	20.3	20.6	20.9	20.11	21.2
¼	16.2	16.4	16.7	16.9	17.0	17.3	17.5	17.8	17.11	18.1	18.4	18.7	18.9	19.0	19.3	19.5	19.8	19.11	20.1	20.4	20.7	20.9	21.0	21.2
½	16.2	16.5	16.7	16.10	17.1	17.3	17.6	17.8	17.11	18.2	18.4	18.7	18.10	19.0	19.3	19.6	19.8	19.11	20.2	20.4	20.7	20.10	21.0	21.3
¾	16.2	16.5	16.8	16.10	17.1	17.3	17.6	17.9	18.0	18.2	18.5	18.8	18.10	19.1	19.4	19.6	19.9	20.0	20.2	20.5	20.8	20.10	21.1	21.3
10.8.0	16.3	16.5	16.8	16.11	17.1	17.4	17.7	17.9	18.0	18.3	18.5	18.8	18.11	19.1	19.4	19.7	19.9	20.0	20.3	20.5	20.8	20.11	21.1	21.4
¼	16.3	16.6	16.8	16.11	17.2	17.4	17.7	17.10	18.0	18.3	18.6	18.8	18.11	19.2	19.4	19.7	19.10	20.0	20.3	20.6	20.8	21.0	21.2	21.4
½	16.3	16.6	16.9	16.11	17.2	17.5	17.7	17.10	18.1	18.4	18.6	18.9	19.0	19.2	19.5	19.8	19.10	20.1	20.4	20.6	20.9	21.0	21.2	21.5
¾	16.4	16.6	16.9	17.0	17.3	17.5	17.8	17.11	18.1	18.4	18.7	18.9	19.0	19.3	19.5	19.8	19.11	20.1	20.4	20.7	20.9	21.0	21.3	21.5
10.9.0	16.4	16.7	16.10	17.0	17.3	17.6	17.8	17.11	18.2	18.4	18.7	18.10	19.0	19.3	19.6	19.8	19.11	20.2	20.5	20.7	20.10	21.1	21.3	21.6
¼	16.5	16.7	16.10	17.1	17.3	17.6	17.9	17.11	18.2	18.5	18.7	18.10	19.1	19.4	19.6	19.9	20.0	20.2	20.5	20.8	20.10	21.0	21.4	21.6
½	16.5	16.8	16.10	17.1	17.4	17.6	17.9	18.0	18.3	18.5	18.8	18.11	19.1	19.4	19.7	19.9	20.0	20.3	20.6	20.8	20.11	21.2	21.4	21.7
¾	16.5	16.8	16.11	17.1	17.4	17.7	17.10	18.0	18.3	18.6	18.8	18.11	19.2	19.4	19.7	19.10	20.1	20.3	20.6	20.9	21.0	21.2	21.5	21.7
10.10.0	16.6	16.8	16.11	17.2	17.5	17.7	17.10	18.1	18.3	18.6	18.9	18.11	19.2	19.5	19.8	19.10	20.1	20.4	20.6	20.9	21.0	21.3	21.5	21.8
¼	16.6	16.9	17.0	17.2	17.5	17.8	17.10	18.1	18.4	18.7	18.9	19.0	19.3	19.5	19.8	19.11	20.2	20.4	20.7	20.10	21.0	21.3	21.6	21.8
½	16.6	16.9	17.0	17.3	17.5	17.8	17.11	18.1	18.4	18.7	18.10	19.0	19.3	19.6	19.9	19.11	20.2	20.5	20.7	20.10	21.1	21.4	21.6	21.9
¾	16.7	16.10	17.0	17.3	17.6	17.8	17.11	18.2	18.5	18.7	18.10	19.1	19.4	19.6	19.9	20.0	20.2	20.5	20.8	20.11	21.1	21.4	21.7	21.9
10.11.0	16.7	16.10	17.1	17.3	17.6	17.9	18.0	18.2	18.5	18.8	18.11	19.1	19.4	19.7	19.9	20.0	20.3	20.6	20.8	20.11	21.2	21.5	21.7	21.10
¼	16.8	16.10	17.1	17.4	17.7	17.9	18.0	18.3	18.5	18.8	18.11	19.2	19.4	19.7	19.10	20.1	20.3	20.6	20.9	21.0	21.2	21.5	21.8	21.10
½	16.8	16.11	17.1	17.4	17.7	17.10	18.1	18.3	18.6	18.9	18.11	19.2	19.5	19.8	19.10	20.1	20.4	20.7	20.9	21.0	21.3	21.6	21.8	21.11
¾	16.8	16.11	17.2	17.5	17.7	17.10	18.1	18.4	18.6	18.9	19.0	19.3	19.5	19.8	19.11	20.2	20.4	20.7	20.10	21.1	21.3	21.6	21.9	21.11
11.0.0	16.9	16.11	17.2	17.5	17.8	17.10	18.1	18.4	18.7	18.9	19.0	19.3	19.6	19.8	19.11	20.2	20.5	20.7	20.10	21.1	21.4	21.6	21.9	22.0
¼	16.9	17.0	17.3	17.5	17.8	17.11	18.2	18.4	18.7	18.10	19.1	19.3	19.6	19.9	20.0	20.2	20.5	20.8	20.11	21.1	21.4	21.7	21.10	22.0
½	16.10	17.0	17.3	17.6	17.9	17.11	18.2	18.5	18.8	18.10	19.1	19.4	19.7	19.9	20.0	20.3	20.6	20.8	20.11	21.2	21.5	21.7	21.10	22.1
¾	16.10	17.1	17.3	17.6	17.9	18.0	18.2	18.5	18.8	18.11	19.2	19.4	19.7	19.10	20.1	20.3	20.6	20.9	21.0	21.2	21.5	21.8	21.11	22.1
11.1.0	16.10	17.1	17.4	17.7	17.9	18.0	18.3	18.6	18.8	18.11	19.2	19.5	19.8	19.10	20.1	20.4	20.7	20.9	21.0	21.3	21.6	21.8	22.0	22.2
¼	16.11	17.1	17.4	17.7	17.10	18.1	18.3	18.6	18.9	19.0	19.2	19.5	19.8	19.11	20.2	20.4	20.7	20.10	21.1	21.3	21.6	21.9	22.0	22.2
½	16.11	17.2	17.5	17.7	17.10	18.1	18.4	18.6	18.9	19.0	19.3	19.6	19.8	19.11	20.2	20.5	20.8	20.10	21.1	21.4	21.7	21.9	22.0	22.3
¾	16.11	17.2	17.5	17.8	17.11	18.1	18.4	18.7	18.10	19.0	19.6	19.6	19.9	20.0	20.2	20.5	20.8	20.11	21.2	21.4	21.7	21.10	22.1	22.3
11.2.0	17.0	17.3	17.5	17.8	17.11	18.2	18.5	18.7	18.10	19.1	19.6	19.6	19.9	20.0	20.3	20.6	20.8	20.11	21.2	21.5	21.8	21.10	22.1	22.4
¼	17.0	17.3	17.6	17.9	17.11	18.2	18.5	18.8	18.11	19.1	19.7	19.7	19.10	20.1	20.3	20.6	20.9	21.0	21.3	21.5	21.8	21.11	22.2	22.4
½	17.1	17.3	17.6	17.9	18.0	18.3	18.5	18.8	18.11	19.2	19.7	19.7	19.10	20.1	20.4	20.7	20.9	21.0	21.3	21.6	21.9	21.11	22.2	22.5
¾	17.1	17.4	17.7	17.9	18.0	18.3	18.6	18.9	18.11	19.2	19.8	19.8	19.11	20.1	20.4	20.7	20.10	21.1	21.3	21.6	21.9	22.0	22.3	22.5
11.3.0	17.1	17.4	17.7	17.10	18.1	18.3	18.6	18.9	19.0	19.3	19.5	19.8	19.11	20.2	20.5	20.7	20.10	21.1	21.4	21.7	21.10	22.0	22.3	22.6
¼	17.2	17.5	17.7	17.10	18.1	18.4	18.7	18.9	19.0	19.3	19.6	19.9	20.0	20.2	20.5	20.8	20.11	21.2	21.5	21.7	21.10	22.1	22.4	22.6
½	17.2	17.5	17.8	17.11	18.1	18.4	18.7	18.10	19.1	19.3	19.6	19.9	20.0	20.3	20.6	20.8	20.11	21.2	21.5	21.8	21.11	22.1	22.4	22.7
¾	17.2	17.5	17.8	17.11	18.2	18.5	18.7	18.10	19.1	19.4	19.7	19.10	20.0	20.3	20.6	20.9	21.0	21.3	21.5	21.8	21.11	22.2	22.5	22.7
11.4.0	17.3	17.6	17.8	17.11	18.2	18.5	18.8	18.11	19.1	19.4	19.7	19.10	20.1	20.4	20.6	20.9	21.0	21.3	21.6	21.9	21.11	22.2	22.5	22.8
¼	17.3	17.6	17.9	18.0	18.3	18.5	18.8	18.11	19.2	19.5	19.8	19.10	20.1	20.4	20.7	20.10	21.1	21.3	21.6	21.10	22.0	22.3	22.6	22.8
½	17.4	17.6	17.9	18.0	18.3	18.6	18.9	18.11	19.2	19.5	19.8	19.11	20.2	20.5	20.7	20.10	21.1	21.4	21.7	21.10	22.0	22.3	22.6	22.9
¾	17.4	17.7	17.10	18.1	18.3	18.6	18.9	19.0	19.3	19.6	19.8	19.11	20.2	20.5	20.8	20.11	21.2	21.4	21.7	21.10	22.1	22.4	22.7	22.9
11.5.0	17.4	17.7	17.10	18.1	18.4	18.7	18.9	19.0	19.3	19.6	19.9	20.0	20.3	20.5	20.8	20.11	21.2	21.5	21.8	21.11	22.1	22.4	22.7	22.10
¼	17.5	17.8	17.10	18.1	18.4	18.7	18.10	19.1	19.4	19.6	19.9	20.0	20.3	20.6	20.9	21.0	21.2	21.5	21.8	21.11	22.2	22.5	22.8	22.10
½	17.5	17.8	17.11	18.2	18.5	18.7	18.10	19.1	19.4	19.7	19.10	20.1	20.3	20.6	20.9	21.0	21.3	21.6	21.9	22.0	22.2	22.5	22.8	22.11
¾	17.6	17.8	17.11	18.2	18.5	18.8	18.11	19.2	19.4	19.7	19.10	20.1	20.4	20.7	20.10	21.1	21.3	21.6	21.9	22.0	22.3	22.6	22.9	22.11

A TABLE OF FEET AND INCHES.

from 11 foot 6 inches by 1 foot 6 inches and 1 quarter to 12 foot 5 inches and 3 quarters by 2 foot.

	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.
F.I. Parts	1.6¼	1.6½	1.6¾	1.7	1.7¼	1.7½	1.7¾	1.8	1.8¼	1.8½	1.8¾	1.9	1.9¼	1.9½	1.9¾	1.10	1.10¼	1.10½	1.10¾	1.11	1.11¼	1.11½	1.11¾	2.0
11.6.0	17.6	17.9	18.0	18.2	18.5	18.8	18.11	19.2	19.5	19.8	19.10	20.1	20.4	20.7	20.10	21.1	21.4	21.7	21.10	22.0	22.3	22.6	22.9	23.0
¼	17.6	17.9	18.0	18.3	18.6	18.9	19.0	19.2	19.5	19.8	19.11	20.1	20.5	20.8	20.11	21.1	21.4	21.7	21.10	22.1	22.4	22.7	22.10	23.0
½	17.7	17.10	18.0	18.3	18.6	18.9	19.0	19.3	19.6	19.9	19.11	20.2	20.5	20.8	20.11	21.2	21.5	21.8	21.11	22.1	22.4	22.7	22.10	23.1
¾	17.7	17.10	18.1	18.4	18.7	18.9	19.0	19.3	19.6	19.9	19.11	20.2	20.6	20.9	20.11	21.2	21.5	21.8	21.11	22.2	22.5	22.8	22.11	23.1
11.7.0	17.7	17.10	18.1	18.4	18.7	18.10	19.1	19.4	19.7	19.9	20.0	20.3	20.6	20.9	21.0	21.3	21.6	21.9	22.0	22.2	22.5	22.8	22.11	23.2
¼	17.8	17.11	18.2	18.4	18.7	18.10	19.1	19.4	19.7	19.10	20.0	20.3	20.7	20.9	21.0	21.3	21.6	21.9	22.0	22.3	22.6	22.9	23.0	23.2
½	17.8	17.11	18.2	18.5	18.8	18.11	19.2	19.4	19.7	19.10	20.1	20.4	20.7	20.10	21.1	21.4	21.7	21.10	22.0	22.3	22.6	22.9	23.0	23.3
¾	17.9	17.11	18.2	18.5	18.8	18.11	19.2	19.5	19.8	19.11	20.1	20.4	20.7	20.10	21.1	21.4	21.7	21.10	22.1	22.4	22.7	22.10	23.1	23.3
11.8.0	17.9	18.0	18.3	18.6	18.9	18.11	19.2	19.5	19.8	19.11	20.2	20.5	20.8	20.11	21.2	21.5	21.8	21.10	22.1	22.4	22.7	22.10	23.1	23.4
¼	17.9	18.0	18.3	18.6	18.9	18.11	19.3	19.6	19.9	20.0	20.3	20.5	20.8	20.11	21.2	21.5	21.8	21.11	22.2	22.5	22.8	22.11	23.2	23.4
½	17.10	18.1	18.4	18.6	18.9	19.0	19.3	19.6	19.9	20.0	20.3	20.6	20.9	21.0	21.3	21.6	21.9	21.11	22.2	22.5	22.8	22.11	23.2	23.5
¾	17.10	18.1	18.4	18.7	18.10	19.1	19.4	19.7	19.10	20.0	20.3	20.6	20.9	21.0	21.3	21.6	21.9	22.0	22.3	22.6	22.9	23.0	23.3	23.5
11.9.0	17.10	18.1	18.4	18.7	18.10	19.1	19.4	19.7	19.10	20.1	20.4	20.7	20.10	21.1	21.4	21.6	21.9	22.0	22.3	22.6	22.9	23.0	23.3	23.6
¼	17.11	18.2	18.5	18.8	18.11	19.2	19.4	19.7	19.10	20.1	20.4	20.7	20.10	21.1	21.4	21.7	21.10	22.1	22.4	22.7	22.10	23.1	23.4	23.6
½	17.11	18.2	18.5	18.8	18.11	19.2	19.5	19.8	19.11	20.2	20.5	20.8	20.11	21.1	21.4	21.7	21.10	22.1	22.4	22.7	22.10	23.1	23.4	23.7
¾	18.0	18.3	18.5	18.8	18.11	19.2	19.5	19.8	19.11	20.2	20.5	20.8	20.11	21.2	21.5	21.8	21.11	22.2	22.5	22.8	22.11	23.2	23.5	23.7
11.10.0	18.0	18.3	18.6	18.9	19.0	19.3	19.6	19.8	20.0	20.2	20.6	20.8	20.11	21.2	21.5	21.8	21.11	22.2	22.5	22.8	22.11	23.2	23.5	23.8
¼	18.0	18.3	18.6	18.9	19.0	19.3	19.6	19.9	20.0	20.3	20.6	20.9	21.0	21.3	21.6	21.9	22.0	22.3	22.6	22.9	23.0	23.3	23.6	23.8
½	18.1	18.4	18.7	18.10	19.1	19.4	19.7	19.9	20.0	20.3	20.6	20.9	21.0	21.3	21.6	21.9	22.0	22.3	22.6	22.9	23.0	23.3	23.6	23.9
¾	18.1	18.4	18.7	18.10	19.1	19.4	19.7	19.10	20.1	20.4	20.7	20.10	21.1	21.4	21.7	21.10	22.1	22.4	22.7	22.10	23.1	23.4	23.7	23.9
11.11.0	18.1	18.4	18.7	18.10	19.1	19.4	19.7	19.10	20.1	20.4	20.7	20.10	21.1	21.4	21.7	21.10	22.1	22.4	22.7	22.10	23.1	23.4	23.7	23.10
¼	18.2	18.5	18.8	18.11	19.2	19.5	19.8	19.11	20.2	20.5	20.8	20.11	21.2	21.5	21.8	21.11	22.2	22.5	22.8	22.11	23.2	23.5	23.8	23.10
½	18.2	18.5	18.8	18.11	19.2	19.5	19.8	19.11	20.2	20.5	20.8	20.11	21.2	21.5	21.8	21.11	22.2	22.5	22.8	22.11	23.2	23.5	23.8	23.11
¾	18.3	18.6	18.9	19.0	19.3	19.6	19.9	20.0	20.3	20.6	20.9	21.0	21.3	21.6	21.9	22.0	22.3	22.6	22.9	23.0	23.3	23.6	23.9	23.11
12.0.0	18.3	18.6	18.9	19.0	19.3	19.6	19.9	20.0	20.3	20.6	20.9	21.0	21.3	21.6	21.9	22.0	22.3	22.6	22.9	23.0	23.3	23.6	23.9	24.0
¼	18.3	18.6	18.9	19.0	19.3	19.6	19.9	20.0	20.3	20.6	20.9	21.0	21.3	21.6	21.9	22.0	22.3	22.6	22.9	23.0	23.3	23.6	23.9	24.0
½	18.4	18.7	18.10	19.1	19.4	19.7	19.10	20.1	20.4	20.7	20.10	21.1	21.4	21.7	21.10	22.1	22.4	22.7	22.10	23.1	23.4	23.7	23.10	24.1
¾	18.4	18.7	18.10	19.1	19.4	19.7	19.10	20.1	20.4	20.7	20.10	21.1	21.4	21.7	21.10	22.1	22.4	22.7	22.10	23.1	23.4	23.7	23.10	24.1
12.1.0	18.5	18.8	18.11	19.2	19.5	19.8	19.11	20.2	20.5	20.8	20.11	21.2	21.5	21.8	21.11	22.2	22.5	22.8	22.11	23.2	23.5	23.8	23.11	24.2
¼	18.5	18.8	18.11	19.2	19.5	19.8	19.11	20.2	20.5	20.8	20.11	21.2	21.5	21.8	21.11	22.2	22.5	22.8	22.11	23.2	23.5	23.8	24.0	24.2
½	18.5	18.8	18.11	19.2	19.5	19.8	19.11	20.2	20.6	20.9	21.0	21.3	21.6	21.9	22.0	22.3	22.6	22.9	23.0	23.3	23.6	23.9	24.0	24.3
¾	18.6	18.9	19.0	19.3	19.6	19.9	20.0	20.3	20.6	20.9	21.0	21.3	21.6	21.9	22.0	22.3	22.6	22.9	23.0	23.3	23.6	23.9	24.0	24.3
12.2.0	18.6	18.9	19.0	19.3	19.6	19.9	20.0	20.3	20.6	20.9	21.0	21.3	21.7	21.10	22.1	22.4	22.7	22.10	23.0	23.4	23.7	23.10	24.1	24.4
¼	18.6	18.9	19.1	19.4	19.7	19.10	20.1	20.4	20.7	20.10	21.1	21.4	21.7	21.10	22.1	22.4	22.7	22.10	23.0	23.4	23.7	23.10	24.1	24.4
½	18.7	18.10	19.1	19.4	19.7	19.10	20.1	20.4	20.7	20.10	21.1	21.4	21.7	21.10	22.2	22.5	22.8	22.11	23.2	23.5	23.8	23.11	24.2	24.5
¾	18.7	18.10	19.1	19.4	19.7	19.10	20.2	20.5	20.8	20.11	21.2	21.5	21.8	21.11	22.2	22.5	22.8	22.11	23.2	23.5	23.8	23.11	24.2	24.5
12.3.0	18.8	18.11	19.2	19.5	19.8	19.11	20.2	20.5	20.8	20.11	21.2	21.5	21.8	21.11	22.2	22.5	22.9	23.0	23.3	23.6	23.9	24.0	24.3	24.6
¼	18.8	18.11	19.2	19.5	19.8	19.11	20.2	20.5	20.8	21.0	21.3	21.6	21.9	22.0	22.3	22.6	22.9	23.0	23.3	23.6	23.9	24.0	24.3	24.6
½	18.8	18.11	19.2	19.6	19.9	20.0	20.3	20.6	20.9	21.0	21.3	21.6	21.9	22.0	22.3	22.6	22.9	23.1	23.4	23.7	23.10	24.1	24.4	24.7
¾	18.9	19.0	19.3	19.6	19.9	20.0	20.3	20.6	20.9	21.0	21.3	21.7	21.10	22.1	22.4	22.7	22.10	23.1	23.4	23.7	23.10	24.1	24.4	24.7
12.4.0	18.9	19.0	19.3	19.6	19.9	20.0	20.4	20.7	20.10	21.1	21.4	21.7	21.10	22.1	22.4	22.7	22.10	23.1	23.5	23.8	23.11	24.2	24.5	24.8
¼	18.9	19.1	19.4	19.7	19.10	20.1	20.4	20.7	20.10	21.1	21.4	21.7	21.11	22.2	22.5	22.8	22.11	23.2	23.5	23.8	23.11	24.2	24.5	24.8
½	18.10	19.1	19.4	19.7	19.10	20.1	20.4	20.7	20.11	21.2	21.5	21.8	21.11	22.2	22.5	22.8	22.11	23.2	23.6	23.9	24.0	24.3	24.6	24.9
¾	18.10	19.1	19.4	19.8	19.11	20.2	20.5	20.8	20.11	21.2	21.5	21.8	21.11	22.3	22.6	22.9	23.0	23.3	23.6	23.9	24.0	24.3	24.6	24.9
12.5.0	18.11	19.2	19.5	19.8	19.11	20.2	20.5	20.8	20.11	21.3	21.6	21.9	22.0	22.3	22.6	22.9	23.0	23.3	23.6	23.10	24.1	24.4	24.7	24.10
¼	18.11	19.2	19.5	19.8	19.11	20.3	20.6	20.9	21.0	21.3	21.6	21.9	22.0	22.3	22.7	22.10	23.1	23.4	23.7	23.10	24.1	24.4	24.7	24.10
½	18.11	19.2	19.6	19.9	20.0	20.3	20.6	20.9	21.0	21.3	21.7	21.10	22.1	22.4	22.7	22.10	23.1	23.4	23.7	23.11	24.2	24.5	24.8	24.11
¾	19.0	19.3	19.6	19.9	20.0	20.3	20.6	20.10	21.1	21.4	21.7	21.10	22.0	22.4	22.7	22.11	23.2	23.5	23.8	23.11	24.2	24.5	24.8	24.11

from 2 foot and half an inch by 2 foot and half an inch to 4 foot 4 inches by 3 foot.

	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.
F.I. Parts	2.0½	2.1	2.1½	2.2	2.2½	2.3	2.3½	2.4	2.4½	2.5	2.5½	2.6	2.6½	2.7	2.7½	2.8	2.8½	2.9	2.9½	2.10	2.10½	2.11	2.11½	3.0
2.0 ½	4.2																							
1	4.3	4.4																						
1 ½	4.4	4.5	4.6																					
2	4.5	4.6	4.7	4.8																				
2.2 ½	4.6	4.7	4.8	4.9	4.11																			
3	4.7	4.8	4.9	4.10	5.0	5.1																		
3 ½	4.8	4.9	4.10	5.0	5.1	5.2	5.3																	
4	4.9	4.10	4.11	5.1	5.2	5.3	5.4	5.5																
2.4 ½	4.10	4.11	5.1	5.2	5.3	5.4	5.5	5.6	5.8															
5	4.11	5.0	5.2	5.3	5.4	5.5	5.6	5.8	5.9	5.10														
5 ½	5.0	5.1	5.3	5.4	5.5	5.6	5.7	5.9	5.10	5.11	6.1													
6	5.1	5.2	5.4	5.5	5.6	5.7	5.9	5.10	5.11	6.0	6.2	6.3												
2.6 ½	5.2	5.4	5.5	5.6	5.7	5.9	5.10	5.11	6.0	6.2	6.3	6.4	6.6											
7	5.3	5.5	5.6	5.7	5.8	5.10	5.11	6.0	6.2	6.3	6.4	6.5	6.7	6.8										
7 ½	5.4	5.6	5.7	5.8	5.10	5.11	6.0	6.1	6.3	6.4	6.5	6.7	6.8	6.9	6.11									
8	5.5	5.7	5.8	5.9	5.11	6.0	6.1	6.3	6.4	6.5	6.7	6.8	6.9	6.11	7.0	7.1								
2.8 ½	5.6	5.8	5.9	5.10	6.0	6.1	6.2	6.4	6.5	6.7	6.8	6.9	6.11	7.0	7.1	7.3	7.4							
9	5.7	5.9	5.10	5.11	6.1	6.2	6.4	6.5	6.6	6.8	6.9	6.10	7.0	7.1	7.3	7.4	7.5	7.7						
9 ½	5.8	5.10	5.11	6.1	6.2	6.3	6.5	6.6	6.8	6.9	6.10	7.0	7.1	7.2	7.4	7.5	7.7	7.8	7.10					
10	5.9	5.11	6.0	6.2	6.3	6.4	6.6	6.7	6.9	6.10	7.0	7.1	7.2	7.4	7.5	7.7	7.8	7.10	7.11	8.0				
2.10 ½	5.10	6.0	6.1	6.3	6.4	6.6	6.7	6.8	6.10	6.11	7.1	7.2	7.4	7.5	7.7	7.8	7.9	7.11	8.0	8.2	8.3			
11	5.11	6.1	6.2	6.4	6.5	6.7	6.8	6.10	6.11	7.1	7.2	7.3	7.5	7.6	7.8	7.9	7.11	8.0	8.2	8.3	8.5	8.6		
11 ½	6.0	6.2	6.3	6.5	6.6	6.8	6.9	6.11	7.0	7.2	7.3	7.5	7.6	7.8	7.9	7.11	8.0	8.2	8.3	8.5	8.6	8.8	8.9	
3.0	6.1	6.3	6.4	6.6	6.7	6.9	6.10	7.0	7.1	7.3	7.4	7.6	7.7	7.9	7.10	8.0	8.1	8.3	8.4	8.6	8.7	8.9	8.10	9.0
3.0 ½	6.3	6.4	6.6	6.7	6.9	6.10	7.0	7.1	7.3	7.4	7.6	7.7	7.9	7.10	8.0	8.1	8.3	8.4	8.6	8.7	8.9	8.10	9.0	9.1
1	6.4	6.5	6.7	6.8	6.10	6.11	7.1	7.2	7.4	7.5	7.7	7.8	7.10	8.0	8.1	8.3	8.4	8.6	8.7	8.9	8.10	9.0	9.1	9.3
1 ½	6.5	6.6	6.8	6.9	6.11	7.0	7.2	7.3	7.5	7.7	7.8	7.10	7.11	8.1	8.2	8.4	8.6	8.7	8.9	8.10	9.0	9.1	9.3	9.4
2	6.6	6.7	6.9	6.10	7.0	7.1	7.3	7.5	7.6	7.8	7.9	7.11	8.1	8.2	8.4	8.5	8.7	8.8	8.10	9.0	9.1	9.3	9.4	9.6
3.2 ½	6.7	6.8	6.10	6.11	7.1	7.3	7.4	7.6	7.7	7.9	7.11	8.0	8.2	8.3	8.5	8.7	8.8	8.10	8.11	9.1	9.3	9.4	9.6	9.7
3	6.8	6.9	6.11	7.0	7.2	7.4	7.5	7.7	7.9	7.10	8.0	8.1	8.3	8.5	8.6	8.8	8.10	8.11	9.1	9.2	9.4	9.6	9.7	9.9
3 ½	6.9	6.10	7.0	7.2	7.3	7.5	7.7	7.8	7.10	7.11	8.1	8.3	8.4	8.6	8.8	8.9	8.11	9.1	9.2	9.4	9.6	9.7	9.9	9.10
4	6.10	6.11	7.1	7.3	7.4	7.6	7.8	7.9	7.11	8.1	8.2	8.4	8.6	8.7	8.9	8.11	9.0	9.2	9.4	9.5	9.7	9.9	9.10	10.0
3.4 ½	6.11	7.0	7.2	7.4	7.5	7.7	7.9	7.10	8.0	8.2	8.4	8.5	8.7	8.9	8.10	9.0	9.2	9.3	9.5	9.7	9.8	9.10	10.0	10.1
5	7.0	7.1	7.3	7.5	7.7	7.8	7.10	8.0	8.1	8.3	8.5	8.6	8.8	8.10	9.0	9.1	9.3	9.5	9.6	9.8	9.10	10.0	10.1	10.3
5 ½	7.1	7.2	7.4	7.6	7.8	7.9	7.11	8.1	8.3	8.4	8.6	8.8	8.9	8.11	9.1	9.3	9.4	9.6	9.8	9.10	9.11	10.1	10.3	10.4
6	7.2	7.3	7.5	7.7	7.9	7.10	8.0	8.2	8.4	8.5	8.7	8.9	8.11	9.0	9.2	9.4	9.6	9.7	9.9	9.11	10.1	10.2	10.4	10.6
3.6 ½	7.3	7.5	7.6	7.8	7.10	8.0	8.1	8.3	8.5	8.7	8.8	8.10	9.0	9.2	9.4	9.5	9.7	9.9	9.11	10.0	10.2	10.4	10.6	10.7
7	7.4	7.6	7.7	7.9	7.11	8.1	8.3	8.4	8.6	8.8	8.10	8.11	9.1	9.3	9.5	9.7	9.8	9.10	10.0	10.2	10.4	10.5	10.7	10.9
7 ½	7.5	7.7	7.8	7.10	8.0	8.2	8.4	8.5	8.7	8.9	8.11	9.1	9.3	9.4	9.6	9.8	9.10	10.0	10.1	10.3	10.5	10.7	10.9	10.10
8	7.6	7.8	7.9	7.11	8.1	8.3	8.5	8.7	8.8	8.10	9.0	9.2	9.4	9.6	9.7	9.9	9.11	10.1	10.3	10.5	10.6	10.8	10.10	11.0
3.8 ½	7.7	7.9	7.11	8.0	8.2	8.4	8.6	8.8	8.10	9.0	9.1	9.3	9.5	9.7	9.9	9.11	10.1	10.2	10.4	10.6	10.8	10.10	11.0	11.1
9	7.8	7.10	8.0	8.1	8.3	8.5	8.7	8.9	8.11	9.1	9.3	9.4	9.6	9.8	9.10	10.0	10.2	10.4	10.6	10.7	10.9	10.11	11.1	11.3
9 ½	7.9	7.11	8.1	8.3	8.4	8.6	8.8	8.10	9.0	9.2	9.4	9.6	9.8	9.10	9.11	10.1	10.3	10.5	10.7	10.9	10.11	11.1	11.3	11.4
10	7.10	8.0	8.2	8.4	8.6	8.7	8.9	8.11	9.1	9.3	9.5	9.7	9.9	9.11	10.1	10.3	10.5	10.6	10.8	10.10	11.0	11.2	11.4	11.6
3.10 ½	7.11	8.1	8.3	8.5	8.7	8.9	8.11	9.0	9.2	9.4	9.6	9.8	9.10	10.0	10.2	10.4	10.6	10.8	10.10	11.0	11.2	11.4	11.6	11.7
11	8.0	8.2	8.4	8.6	8.8	8.10	9.0	9.2	9.4	9.6	9.8	9.9	9.11	10.1	10.3	10.5	10.7	10.9	10.11	11.1	11.3	11.5	11.7	11.9
11 ½	8.1	8.3	8.5	8.7	8.9	8.11	9.1	9.3	9.5	9.7	9.9	9.11	10.1	10.3	10.5	10.7	10.9	10.11	11.0	11.3	11.5	11.7	11.9	11.10
4.0	8.2	8.4	8.6	8.8	8.10	9.0	9.2	9.4	9.6	9.8	9.10	10.0	10.2	10.4	10.6	10.8	10.10	11.0	11.2	11.4	11.6	11.8	11.10	12.0
4.0 ½	8.3	8.5	8.7	8.9	8.11	9.1	9.3	9.5	9.7	9.9	9.11	10.1	10.3	10.5	10.7	10.9	10.11	11.1	11.3	11.5	11.7	11.9	11.11	12.1
1	8.4	8.6	8.8	8.10	9.0	9.2	9.4	9.6	9.8	9.10	10.0	10.2	10.4	10.7	10.9	10.11	11.1	11.3	11.5	11.7	11.9	11.11	12.1	12.3
1 ½	8.5	8.7	8.9	8.11	9.1	9.3	9.5	9.7	9.10	10.0	10.2	10.4	10.6	10.8	10.10	11.0	11.2	11.4	11.6	11.8	11.10	12.0	12.2	12.4
2	8.6	8.8	8.10	9.0	9.2	9.4	9.7	9.9	9.11	10.1	10.3	10.5	10.7	10.9	10.11	11.1	11.3	11.5	11.8	11.10	12.0	12.2	12.4	12.6
4.2 ½	8.7	8.9	8.11	9.1	9.4	9.6	9.8	9.10	10.0	10.2	10.4	10.6	10.8	10.10	11.1	11.3	11.5	11.7	11.9	11.11	12.1	12.3	12.5	12.7
3	8.8	8.10	9.0	9.2	9.5	9.7	9.9	9.11	10.1	10.3	10.5	10.7	10.10	11.0	11.2	11.4	11.6	11.8	11.10	12.0	12.3	12.5	12.7	12.9
3 ½	8.9	8.11	9.1	9.4	9.6	9.8	9.10	10.0	10.2	10.4	10.7	10.9	10.11	11.1	11.3	11.5	11.7	11.10	12.0	12.2	12.4	12.6	12.8	12.11
4	8.10	9.0	9.2	9.5	9.7	9.9	9.11	10.1	10.3	10.6	10.8	10.10	11.0	11.2	11.4	11.7	11.9	11.11	12.1	12.3	12.5	12.8	12.10	13.0

A TABLE OF FEET AND INCHES

from 4 foot 4 inches and a half by two foot and half an inch to 9 foot 4 inches by 3 foot.

F.I. Parts	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I
	2.0½	2.1	2.1½	2.2	2.2½	2.3	2.3½	2.4	2.4½	2.5	2.5½	2.6	2.6½	2.7	2.7½	2.8	2.8½	2.9	2.9½	2.10	2.10½	2.11	2.11½	3.0
4.4½	8.11	9.1	9.4	9.6	9.8	9.10	10.0	10.2	10.5	10.7	10.9	10.11	11.1	11.4	11.6	11.8	11.10	12.0	12.3	12.5	12.7	12.9	12.11	13.1
5	9.0	9.2	9.5	9.7	9.9	9.11	10.1	10.4	10.6	10.8	10.10	11.0	11.3	11.5	11.7	11.9	12.0	12.2	12.4	12.6	12.8	12.11	13.1	13.3
5½	9.1	9.3	9.6	9.8	9.10	10.0	10.3	10.5	10.7	10.9	11.0	11.2	11.4	11.6	11.8	11.11	12.1	12.3	12.5	12.8	12.10	13.0	13.2	13.4
6	9.2	9.4	9.7	9.9	9.11	10.1	10.4	10.6	10.8	10.10	11.1	11.3	11.5	11.7	11.10	12.0	12.2	12.4	12.7	12.9	12.11	13.1	13.4	13.6
4.6½	9.3	9.6	9.8	9.10	10.0	10.3	10.5	10.7	10.9	11.0	11.2	11.4	11.7	11.9	11.11	12.1	12.4	12.6	12.8	12.10	13.1	13.3	13.5	13.7
7	9.4	9.7	9.9	9.11	10.1	10.4	10.6	10.8	10.11	11.1	11.3	11.5	11.8	11.10	12.0	12.3	12.5	12.7	12.10	13.0	13.2	13.4	13.7	13.9
7½	9.5	9.8	9.10	10.0	10.3	10.5	10.7	10.9	11.0	11.2	11.4	11.7	11.9	11.11	12.2	12.4	12.6	12.9	12.11	13.1	13.4	13.6	13.8	13.10
8	9.6	9.9	9.11	10.1	10.4	10.6	10.8	10.11	11.1	11.3	11.6	11.8	11.10	12.1	12.3	12.5	12.8	12.10	13.0	13.3	13.5	13.7	13.10	14.0
4.8½	9.7	9.10	10.0	10.2	10.5	10.7	10.9	11.0	11.2	11.5	11.7	11.9	12.0	12.2	12.4	12.7	12.9	12.11	13.2	13.4	13.6	13.9	13.11	14.1
9	9.8	9.11	10.1	10.3	10.6	10.8	10.11	11.1	11.3	11.6	11.8	11.10	12.1	12.3	12.6	12.8	12.10	13.1	13.3	13.5	13.8	13.10	14.1	14.3
9½	9.9	10.0	10.2	10.5	10.7	10.9	11.0	11.2	11.5	11.7	11.9	12.0	12.2	12.5	12.7	12.9	13.0	13.2	13.5	13.7	13.9	14.0	14.2	14.4
10	9.10	10.1	10.3	10.6	10.8	10.10	11.1	11.3	11.6	11.8	11.11	12.1	12.3	12.6	12.8	12.11	13.1	13.3	13.6	13.8	13.11	14.1	14.4	14.6
4.10½	9.11	10.2	10.4	10.7	10.9	10.11	11.2	11.4	11.7	11.9	12.0	12.2	12.5	12.7	12.10	13.0	13.2	13.5	13.7	13.10	14.0	14.3	14.5	14.7
11	10.0	10.3	10.5	10.8	10.10	11.1	11.3	11.6	11.8	11.11	12.1	12.3	12.6	12.8	12.11	13.1	13.4	13.6	13.9	13.11	14.2	14.4	14.7	14.9
11½	10.1	10.4	10.6	10.9	10.11	11.2	11.4	11.7	11.9	12.0	12.2	12.5	12.7	12.10	13.0	13.3	13.5	13.8	13.10	14.1	14.3	14.6	14.8	14.10
5.0	10.2	10.5	10.7	10.10	11.0	11.3	11.5	11.8	11.10	12.1	12.3	12.6	12.8	12.11	13.1	13.4	13.6	13.9	13.11	14.2	14.4	14.7	14.9	15.0
5.0½	10.4	10.6	10.9	10.11	11.2	11.4	11.7	11.9	12.0	12.2	12.5	12.7	12.10	13.0	13.3	13.5	13.8	13.10	14.1	14.3	14.6	14.8	14.11	15.1
1	10.5	10.7	10.10	11.0	11.3	11.5	11.8	11.10	12.1	12.3	12.6	12.8	12.11	13.2	13.4	13.7	13.9	14.0	14.2	14.5	14.7	14.10	15.0	15.3
1½	10.6	10.8	10.11	11.1	11.4	11.6	11.9	11.11	12.2	12.5	12.7	12.10	13.0	13.3	13.5	13.8	13.11	14.1	14.4	14.6	14.9	14.11	15.2	15.4
2	10.7	10.9	11.0	11.2	11.5	11.7	11.10	12.1	12.3	12.6	12.8	12.11	13.2	13.4	13.7	13.9	14.0	14.2	14.5	14.8	14.10	15.1	15.3	15.6
5.2½	10.8	10.10	11.1	11.3	11.6	11.9	11.11	12.2	12.4	12.7	12.10	13.0	13.3	13.5	13.8	13.11	14.1	14.4	14.6	14.9	15.0	15.2	15.5	15.7
3	10.9	10.11	11.2	11.4	11.7	11.10	12.0	12.3	12.6	12.8	12.11	13.1	13.4	13.7	13.9	14.0	14.3	14.5	14.8	14.10	15.1	15.4	15.6	15.9
3½	10.10	11.0	11.3	11.6	11.8	11.11	12.2	12.4	12.7	12.9	13.0	13.3	13.5	13.8	13.11	14.1	14.4	14.7	14.9	15.0	15.3	15.5	15.8	15.10
4	10.11	11.1	11.4	11.7	11.9	12.0	12.3	12.5	12.8	12.11	13.1	13.4	13.7	13.9	14.0	14.3	14.5	14.8	14.11	15.1	15.4	15.7	15.9	16.0
5.4½	11.0	11.2	11.5	11.8	11.10	12.1	12.4	12.6	12.9	13.0	13.3	13.5	13.8	13.11	14.1	14.4	14.7	14.9	15.0	15.3	15.5	15.8	15.11	16.1
5	11.1	11.3	11.6	11.9	12.0	12.2	12.5	12.8	12.10	13.1	13.4	13.6	13.9	14.0	14.3	14.5	14.8	14.11	15.1	15.4	15.7	15.10	16.1	16.3
5½	11.2	11.4	11.7	11.10	12.1	12.3	12.6	12.9	13.0	13.2	13.5	13.8	13.10	14.1	14.4	14.7	14.9	15.0	15.3	15.6	15.8	15.11	16.2	16.4
6	11.3	11.5	11.8	11.11	12.2	12.4	12.7	12.10	13.1	13.3	13.6	13.9	14.0	14.2	14.5	14.8	14.11	15.1	15.4	15.7	15.10	16.0	16.3	16.6
5.6½	11.4	11.7	11.9	12.0	12.3	12.6	12.8	12.11	13.2	13.5	13.7	13.10	14.1	14.4	14.7	14.9	15.0	15.3	15.6	15.8	15.11	16.2	16.5	16.7
7	11.5	11.8	11.10	12.1	12.4	12.7	12.10	13.0	13.3	13.6	13.9	14.0	14.2	14.5	14.8	14.11	15.1	15.4	15.7	15.10	16.1	16.3	16.6	16.9
7½	11.6	11.9	11.11	12.2	12.5	12.8	12.11	13.1	13.4	13.7	13.10	14.1	14.4	14.6	14.9	15.0	15.3	15.6	15.8	15.11	16.2	16.5	16.8	16.10
8	11.7	11.10	12.0	12.3	12.6	12.9	13.0	13.3	13.5	13.8	13.11	14.2	14.5	14.8	14.10	15.1	15.4	15.7	15.10	16.1	16.3	16.6	16.9	17.0
5.8½	11.8	11.11	12.2	12.4	12.7	12.10	13.1	13.4	13.7	13.9	14.0	14.3	14.6	14.9	15.0	15.3	15.6	15.8	15.11	16.2	16.5	16.8	16.11	17.1
9	11.9	12.0	12.3	12.5	12.8	12.11	13.2	13.5	13.8	13.11	14.2	14.4	14.7	14.10	15.1	15.4	15.7	15.10	16.1	16.3	16.6	16.9	17.0	17.3
9½	11.10	12.1	12.4	12.7	12.9	13.0	13.3	13.6	13.9	14.0	14.3	14.6	14.9	15.0	15.2	15.5	15.8	15.11	16.2	16.5	16.8	16.11	17.2	17.4
10	11.11	12.2	12.5	12.8	12.10	13.1	13.4	13.7	13.10	14.1	14.4	14.7	14.10	15.1	15.4	15.7	15.10	16.0	16.3	16.6	16.9	17.0	17.3	17.6
5.10½	12.0	12.3	12.6	12.9	13.0	13.3	13.6	13.8	13.11	14.2	14.5	14.8	14.11	15.2	15.5	15.8	15.11	16.2	16.5	16.8	16.11	17.2	17.5	17.7
11	12.1	12.4	12.7	12.10	13.1	13.4	13.7	13.10	14.1	14.4	14.7	14.9	15.0	15.3	15.6	15.9	16.0	16.3	16.6	16.9	17.0	17.3	17.6	17.9
11½	12.2	12.5	12.8	12.11	13.2	13.5	13.8	13.11	14.2	14.5	14.8	14.11	15.2	15.5	15.8	15.11	16.2	16.5	16.8	16.10	17.2	17.5	17.7	17.10
6.0	12.3	12.6	12.9	13.0	13.3	13.6	13.9	14.0	14.3	14.6	14.9	15.0	15.3	15.6	15.9	16.0	16.3	16.6	16.9	17.0	17.3	17.6	17.9	18.0
6.0½	12.4	12.7	12.10	13.1	13.4	13.7	13.10	14.1	14.4	14.7	14.10	15.1	15.4	15.7	15.10	16.1	16.4	16.7	16.10	17.1	17.4	17.7	17.10	18.1
1	12.5	12.8	12.11	13.2	13.5	13.8	13.11	14.2	14.5	14.8	14.11	15.2	15.6	15.9	16.0	16.3	16.6	16.9	17.0	17.3	17.6	17.9	18.0	18.3
1½	12.6	12.9	13.0	13.3	13.6	13.9	14.0	14.3	14.7	14.10	15.1	15.4	15.7	15.10	16.1	16.4	16.7	16.10	17.1	17.4	17.7	17.10	18.1	18.4
2	12.7	12.10	13.1	13.4	13.7	13.10	14.2	14.5	14.8	14.11	15.2	15.5	15.8	15.11	16.2	16.5	16.8	16.11	17.3	17.6	17.9	18.0	18.2	18.6
6.2½	12.8	12.11	13.2	13.5	13.8	14.0	14.3	14.6	14.9	15.0	15.3	15.6	15.9	16.0	16.4	16.7	16.10	17.1	17.4	17.7	17.10	18.1	18.4	18.7
3	12.9	13.0	13.3	13.6	13.10	14.1	14.4	14.7	14.10	15.1	15.4	15.7	15.11	16.2	16.5	16.8	16.11	17.2	17.5	17.8	18.0	18.3	18.6	18.9
3½	12.10	13.1	13.4	13.8	13.11	14.2	14.5	14.8	14.11	15.2	15.6	15.9	16.0	16.3	16.6	16.9	17.0	17.3	17.7	17.10	18.1	18.4	18.7	18.10
4	12.11	13.2	13.5	13.9	14.0	14.3	14.6	14.9	15.0	15.4	15.7	15.10	16.1	16.4	16.7	16.11	17.2	17.5	17.8	17.11	18.2	18.6	18.9	19.0
6.4½	13.0	13.3	13.7	13.10	14.1	14.4	14.7	14.10	15.2	15.5	15.8	15.11	16.2	16.6	16.9	17.0	17.3	17.6	17.10	18.1	18.4	18.7	18.10	19.1
5	13.1	13.4	13.8	13.11	14.2	14.5	14.8	15.0	15.3	15.6	15.9	16.0	16.4	16.7	16.10	17.1	17.4	17.8	17.11	18.2	18.5	18.9	19.0	19.3
5½	13.2	13.5	13.9	14.0	14.3	14.6	14.10	15.1	15.4	15.7	15.11	16.2	16.5	16.8	16.11	17.3	17.6	17.9	18.0	18.4	18.7	18.10	19.1	19.4
6	13.3	13.6	13.10	14.1	14.4	14.7	14.11	15.2	15.5	15.8	16.0	16.3	16.6	16.9	17.1	17.4	17.7	17.10	18.2	18.5	18.8	18.11	19.3	19.6
6.6½	13.4	13.8	13.11	14.2	14.5	14.9	15.0	15.3	15.6	15.10	16.1	16.4	16.8	16.11	17.2	17.5	17.9	18.0	18.3	18.6	18.10	19.1	19.4	19.7
7	13.5	13.9	14.0	14.3	14.7	14.10	15.1	15.4	15.8	15.11	16.2	16.5	16.9	17.0	17.3	17.7	17.10	18.1	18.5	18.8	18.11	19.2	19.6	19.9
7½	13.6	13.10	14.1	14.4	14.8	14.11	15.2	15.5	15.9	16.0	16.3	16.7	16.10	17.1	17.5	17.8	17.11	18.3	18.6	18.9	19.1	19.4	19.7	19.10
8	13.7	13.11	14.2	14.5	14.9	15.0	15.3	15.7	15.10	16.1	16.5	16.8	16.11	17.3	17.6	17.9	18.1	18.4	18.7	18.11	19.2	19.5	19.9	20.0
6.8½	13.8	14.0	14.3	14.6	14.10	15.1	15.4	15.8	15.11	16.3	16.6	16.9	17.1	17.4	17.7	17.11	18.2	18.5	18.9	19.0	19.3	19.7	19.10	20.1
9	13.9	14.1	14.4	14.7	14.11	15.2	15.6	15.9	16.0	16.4	16.7	16.10	17.2	17.5	17.9	18.0	18.3	18.7	18.10	19.1	19.5	19.8	20.0	20.3
9½	13.10	14.2	14.5	14.9	15.0	15.3	15.7	15.10	16.2	16.5	16.8	17.0	17.3	17.7	17.10	18.1	18.5	18.8	19.0	19.3	19.6	19.10	20.1	20.4
10	13.11	14.3	14.6	14.10	15.1	15.4	15.8	15.11	16.3	16.6	16.10	17.1	17.4	17.8	17.11	18.3	18.6	18.9	19.1	19.4	19.8	19.11	20.3	20.6
6.10½	14.0	14.4	14.7	14.11	15.2	15.6	15.9	16.0	16.4	16.7	16.11	17.2	17.6	17.9	18.1	18.4	18.7	18.11	19.2	19.6	19.9	20.1	20.4	20.7
11	14.1	14.5	14.8	15.0	15.3	15.7	15.10	16.2	16.5	16.9	17.0	17.3	17.7	17.10	18.2	18.5	18.9	19.0	19.4	19.7	19.11	20.2	20.6	20.9
11½	14.2	14.6	14.9	15.1	15.4	15.8	15.11	16.3	16.6	16.10	17.1	17.5	17.8	18.0	18.3	18.7	18.10	19.2	19.5	19.9	20.0	20.4	20.7	20.10
7.0	14.3	14.7	14.10	15.2	15.5	15.9	16.0	16.4	16.7	16.11	17.3	17.6	17.9	18.1	18.5	18.8	18.11	19.3	19.6	19.10	20.1	20.5	20.9	21.0
7.0½	14.4	14.8	15.0	15.3	15.7	15.10	16.2	16.5	16.9	17.0	17.4	17.7	17.11	18.2	18.6	18.9	19.1	19.4	19.8	19.11	20.3	20.6	20.10	21.1
1	14.6	14.9	15.1	15.4	15.8	15.11	16.3	16.6	16.10	17.1	17.5	17.8	18.0	18.4	18.7	18.11	19.2	19.6	19.9	20.1	20.4	20.8	21.0	21.3
1½	14.7	14.10	15.1	15.5	15.9	16.0	16.4	16.7	16.11	17.2	17.6	17.10	18.1	18.5	18.8	19.0	19.4	19.7	19.11	20.2	20.6	20.9	21.1	21.4
2	14.8	14.11	15.3	15.6	15.10	16.1	16.5	16.9	17.0	17.4	17.7	17.11	18.3	18.6	18.10	19.1	19.5	19.8	20.0	20.4	20.7	20.11	21.2	21.6
7.2½	14.9	15.0	15.4	15.7	15.11	16.3	16.6	16.10	17.1	17.5	17.9	18.0	18.4	18.7	18.11	19.3	19.6	19.10	20.1	20.5	20.9	21.0	21.4	21.7
3	14.10	15.1	15.5	15.8	16.0	16.4	16.7	16.11	17.3	17.6	17.10	18.1	18.5	18.9	19.0	19.4	19.8	19.11	20.3	20.6	20.10	21.2	21.5	21.9
3½	14.11	15.2	15.6	15.10	16.1	16.5	16.9	17.0	17.4	17.7	17.11	18.3	18.6	18.10	19.2	19.5	19.9	20.1	20.4	20.8	21.0	21.3	21.7	21.10
4	15.0	15.3	15.7	15.11	16.2	16.6	16.10	17.1	17.5	17.9	18.0	18.4	18.8	18.11	19.3	19.7	19.10	20.2	20.6	20.9	21.1	21.5	21.8	22.0
7.4½	15.1	15.4	15.8	16.0	16.3	16.7	16.11	17.2	17.6	17.10	18.2	18.5	18.9	19.1	19.4	19.8	20.0	20.3	20.7	20.11	21.2	21.6	21.10	22.1
5	15.2	15.5	15.9	16.1	16.5	16.8	17.0	17.4	17.7	17.11	18.3	18.6	18.10	19.2	19.6	19.9	20.1	20.5	20.8	21.0	21.4	21.8	21.11	22.3
5½	15.3	15.6	15.10	16.2	16.6	16.9	17.1	17.5	17.9	18.0	18.4	18.8	18.11	19.3	19.7	19.11	20.2	20.6	20.10	21.2	21.5	21.9	22.1	22.4
6	15.4	15.7	15.11	16.3	16.7	16.10	17.2	17.6	17.10	18.1	18.5	18.9	19.1	19.4	19.8	20.0	20.4	20.7	20.11	21.3	21.7	21.10	22.2	22.6
7.6½	15.5	15.9	16.0	16.4	16.8	17.0	17.4	17.7	17.11	18.3	18.6	18.10	19.2	19.6	19.10	20.1	20.5	20.9	21.1	21.4	21.8	22.0	22.4	22.7
7	15.6	15.10	16.1	16.5	16.9	17.1	17.5	17.8	18.0	18.4	18.8	18.11	19.3	19.7	19.11	20.3	20.6	20.10	21.2	21.6	21.10	22.1	22.5	22.9
7½	15.7	15.11	16.2	16.6	16.10	17.2	17.6	17.9	18.1	18.5	18.9	19.1	19.5	19.8	20.0	20.4	20.8	21.0	21.3	21.7	21.11	22.3	22.7	22.10
8	15.8	16.0	16.3	16.7	16.11	17.3	17.7	17.11	18.2	18.6	18.10	19.2	19.6	19.10	20.1	20.5	20.9	21.1	21.5	21.9	22.0	22.4	22.8	23.0
7.8½	15.9	16.1	16.5	16.8	17.0	17.4	17.8	18.0	18.4	18.8	18.11	19.3	19.7	19.11	20.3	20.7	20.10	21.2	21.6	21.10	22.2	22.6	22.10	23.1
9	15.10	16.2	16.6	16.9	17.1	17.5	17.9	18.1	18.5	18.9	19.0	19.5	19.8	20.0	20.4	20.8	21.0	21.4	21.8	21.11	22.3	22.7	22.11	23.3
9½	15.11	16.3	16.7	16.11	17.2	17.6	17.10	18.2	18.6	18.10	19.2	19.6	19.10	20.2	20.5	20.9	21.1	21.5	21.9	22.1	22.5	22.9	23.1	23.4
10	16.0	16.4	16.8	17.0	17.4	17.7	17.11	18.3	18.7	18.11	19.3	19.7	19.11	20.3	20.7	20.11	21.3	21.6	21.10	22.2	22.6	22.10	23.2	23.6
7.10½	16.1	16.5	16.9	17.1	17.5	17.9	18.1	18.4	18.8	19.0	19.4	19.8	20.0	20.4	20.8	21.0	21.4	21.8	22.0	22.4	22.8	23.0	23.4	23.7
11	16.2	16.6	16.10	17.2	17.6	17.10	18.2	18.6	18.10	19.2	19.6	19.9	20.1	20.5	20.9	21.1	21.5	21.9	22.1	22.5	22.9	23.1	23.5	23.9
11½	16.3	16.7	16.11	17.3	17.7	17.11	18.3	18.7	18.11	19.3	19.7	19.11	20.3	20.7	20.11	21.3	21.7	21.11	22.3	22.7	22.11	23.3	23.7	23.10
8.0	16.4	16.8	17.0	17.4	17.8	18.0	18.4	18.8	19.0	19.4	19.8	20.0	20.4	20.8	21.0	21.4	21.8	22.0	22.4	22.8	23.0	23.4	23.8	24.0
8.0½	16.5	16.9	17.2	17.5	17.9	18.0	18.5	18.9	19.1	19.5	19.9	20.1	20.5	20.9	21.1	21.5	21.9	22.1	22.5	22.9	23.1	23.5	23.9	24.1
1	16.6	16.10	17.2	17.6	17.10	18.2	18.6	18.10	19.2	19.6	19.10	20.2	20.7	20.11	21.3	21.7	21.11	22.3	22.7	22.11	23.3	23.7	23.11	24.3
1½	16.7	16.11	17.3	17.7	17.11	18.3	18.7	18.11	19.4	19.8	20.0	20.4	20.8	21.0	21.4	21.8	22.0	22.4	22.8	23.0	23.4	23.8	24.0	24.4
2	16.8	17.0	17.4	17.8	18.0	18.4	18.9	19.1	19.5	19.9	20.1	20.5	20.9	21.1	21.5	21.9	22.1	22.5	22.10	23.2	23.6	23.10	24.2	24.6
8.2½	16.9	17.1	17.5	17.9	18.2	18.6	18.10	19.2	19.6	19.10	20.2	20.6	20.10	21.2	21.7	21.11	22.3	22.7	22.11	23.3	23.7	23.11	24.3	24.7
3	16.10	17.2	17.6	17.10	18.3	18.7	18.11	19.3	19.7	19.11	20.3	20.7	21.0	21.4	21.8	22.0	22.4	22.8	23.0	23.4	23.8	24.1	24.5	24.9
3½	16.11	17.3	17.7	18.0	18.4	18.8	19.0	19.4	19.8	20.0	20.5	20.9	21.1	21.5	21.9	22.1	22.5	22.10	23.2	23.6	23.10	24.2	24.6	24.10
4	17.0	17.4	17.8	18.1	18.5	18.9	19.1	19.5	19.9	20.2	20.6	20.10	21.2	21.6	21.10	22.3	22.7	22.11	23.3	23.7	23.11	24.4	24.8	25.0
8.4½	17.1	17.5	17.10	18.2	18.6	18.10	19.2	19.6	19.11	20.3	20.7	20.11	21.3	21.8	22.0	22.4	22.8	23.0	23.5	23.9	24.1	24.5	24.9	25.1
5	17.2	17.6	17.11	18.3	18.7	18.11	19.3	19.8	20.0	20.4	20.8	21.0	21.5	21.9	22.1	22.5	22.10	23.2	23.6	23.10	24.2	24.7	24.11	25.3
5½	17.3	17.7	18.0	18.4	18.8	19.0	19.5	19.9	20.1	20.5	20.9	21.2	21.6	21.10	22.2	22.7	22.11	23.3	23.7	24.0	24.4	24.8	25.0	25.4
6	17.4	17.8	18.1	18.5	18.9	19.0	19.6	19.10	20.2	20.6	20.11	21.3	21.7	21.11	22.4	22.8	23.0	23.4	23.9	24.1	24.5	24.9	25.2	25.6
8.6½	17.5	17.10	18.2	18.6	18.10	19.3	19.7	19.11	20.3	20.8	21.0	21.4	21.9	22.1	22.5	22.9	23.2	23.6	23.10	24.2	24.7	24.11	25.3	25.7
7	17.6	17.11	18.3	18.7	18.11	19.4	19.8	20.0	20.5	20.9	21.0	21.5	21.10	22.1	22.6	22.11	23.3	23.7	24.0	24.4	24.8	25.0	25.5	25.9
7½	17.7	18.0	18.4	18.8	19.1	19.5	19.9	20.0	20.6	20.10	21.2	21.7	21.11	22.3	22.8	23.0	23.4	23.9	24.1	24.5	24.10	25.2	25.6	25.10
8	17.8	18.1	18.5	18.9	19.2	19.6	19.10	20.1	20.7	20.11	21.4	21.8	22.0	22.5	22.9	23.1	23.6	23.10	24.2	24.7	24.11	25.3	25.8	26.0
8.8½	17.9	18.2	18.6	18.10	19.3	19.7	19.11	20.4	20.8	21.0	21.5	21.9	22.2	22.6	22.10	23.3	23.7	23.11	24.4	24.8	25.0	25.5	25.9	26.1
9	17.10	18.3	18.7	18.11	19.4	19.8	20.1	20.5	20.9	21.2	21.6	21.10	22.3	22.7	23.0	23.4	23.8	24.1	24.5	24.9	25.2	25.6	25.11	26.3
9½	17.11	18.4	18.8	19.1	19.5	19.9	20.2	20.6	20.11	21.3	21.7	22.0	22.4	22.9	23.1	23.5	23.10	24.2	24.7	24.11	25.3	25.8	26.0	26.4
10	18.0	18.5	18.9	19.2	19.6	19.10	20.3	20.7	21.0	21.4	21.9	22.0	22.5	22.10	23.2	23.7	23.11	24.3	24.8	25.0	25.5	25.9	26.2	26.6
8.10½	18.1	18.6	18.10	19.3	19.7	20.0	20.4	20.8	21.1	21.5	21.7	22.2	22.7	22.11	23.4	23.8	24.0	24.5	24.9	25.2	25.6	25.11	26.3	26.7
11	18.2	18.7	18.11	19.4	19.8	20.1	20.5	20.9	21.2	21.7	21.11	22.3	22.8	23.0	23.5	23.9	24.2	24.6	24.11	25.3	25.8	26.0	26.5	26.9
11½	18.3	18.8	19.0	19.5	19.9	20.2	20.6	20.11	21.3	21.8	22.0	22.5	22.9	23.2	23.6	23.11	24.3	24.8	25.0	25.5	25.9	26.2	26.6	26.10
9.0	18.4	18.9	19.1	19.6	19.10	20.3	20.7	21.0	21.4	21.9	22.1	22.6	22.10	23.3	23.7	24.0	24.4	24.9	25.1	25.6	25.10	26.3	26.7	27.0
9.0½	18.5	18.10	19.3	19.7	20.0	20.4	20.9	21.1	21.6	21.10	22.3	22.7	23.0	23.4	23.9	24.1	24.6	24.10	25.3	25.7	26.0	26.4	26.9	27.1
1	18.7	18.11	19.4	19.8	20.1	20.5	20.10	21.2	21.7	21.11	22.4	22.8	23.1	23.6	23.10	24.3	24.7	25.0	25.4	25.9	26.1	26.6	26.10	27.3
1½	18.8	19.0	19.5	19.9	20.2	20.6	20.11	21.3	21.8	22.1	22.5	22.10	23.2	23.7	23.11	24.4	24.9	25.1	25.6	25.10	26.3	26.7	27.0	27.4
2	18.9	19.1	19.6	19.10	20.3	20.7	21.0	21.5	21.9	22.2	22.6	22.11	23.4	23.8	24.1	24.5	24.10	25.2	25.7	26.0	26.4	26.9	27.1	27.6
9.2½	18.10	19.2	19.7	19.11	20.4	20.9	21.1	21.6	21.10	22.3	22.8	23.0	23.5	23.9	24.2	24.7	24.11	25.4	25.8	26.1	26.6	26.10	27.3	27.7
3	18.11	19.3	19.8	20.0	20.5	20.10	21.2	21.7	22.0	22.4	22.9	23.1	23.6	23.11	24.3	24.8	25.1	25.5	25.10	26.2	26.7	27.0	27.4	27.9
3½	19.0	19.4	19.9	20.2	20.6	20.11	21.4	21.8	22.1	22.5	22.10	23.3	23.7	24.0	24.5	24.9	25.2	25.7	26.0	26.4	26.9	27.1	27.6	27.10
4	19.1	19.5	19.10	20.3	20.7	21.0	21.5	21.9	22.2	22.7	22.11	23.4	23.9	24.1	24.6	24.10	25.3	25.8	26.1	26.5	26.10	27.3	27.7	28.0

A TABLE OF FEET AND INCHES

from 9 foot 4 inches and a ½ by 2 foot and ½ an inch to 12 foot 6 inches by 3 foot.

	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I
F.I.Parts	2.0½	2.1	2.1½	2.2	2.2½	2.3	2.3½	2.4	2.4½	2.5	2.5½	2.6	2.6½	2.7	2.7½	2.8	2.8½	2.9	2.9½	2.10	2.10½	2.11	2.11½	3.0
9.4½	10.2	10.6	10.11	20.4	20.8	21.1	21.6	21.10	22.3	22.8	23.1	23.5	23.10	24.3	24.7	25.0	25.5	25.0	26.2	26.7	26.11	27.4	27.0	28.1
5	10.3	10.7	20.0	20.5	20.10	21.2	21.7	22.0	22.4	22.0	23.2	23.6	23.11	24.4	24.0	25.1	25.6	25.11	26.3	26.8	27.1	27.6	27.10	28.3
5½	10.4	10.8	20.1	20.6	20.11	21.3	21.8	22.1	22.6	22.10	23.3	23.8	24.0	24.5	24.10	25.3	25.7	26.0	26.5	26.10	27.2	27.7	28.0	28.4
6	10.5	10.9	20.2	20.7	21.0	21.4	21.9	22.2	22.7	22.11	23.4	23.9	24.2	24.6	24.11	25.4	25.9	26.1	26.6	26.11	27.4	27.8	28.1	28.6
9.6½	10.6	10.11	20.3	20.8	21.1	21.6	21.10	22.3	22.8	23.1	23.5	23.10	24.3	24.8	25.1	25.5	25.10	26.3	26.8	27.0	27.5	27.10	28.3	28.7
7	10.7	20.0	20.4	20.9	21.2	21.7	22.0	22.4	22.9	23.2	23.7	23.11	24.4	24.9	25.2	25.7	25.11	26.4	26.9	27.2	27.7	27.11	28.4	28.9
7½	10.8	20.1	20.5	20.10	21.3	21.8	22.1	22.5	22.10	23.3	23.8	24.1	24.6	24.10	25.3	25.8	26.1	26.6	26.10	27.3	27.8	28.1	28.6	28.10
8	19.9	20.2	20.6	20.11	21.4	21.9	22.2	22.7	22.11	23.4	23.9	24.2	24.7	25.0	25.4	25.9	26.2	26.7	27.0	27.5	27.9	28.2	28.7	29.0
9.8½	10.10	20.2	20.8	21.0	21.5	21.10	22.3	22.8	23.1	23.6	23.10	24.3	24.8	25.1	25.6	25.11	26.4	26.8	27.1	27.6	27.11	28.4	28.9	29.1
9	10.11	20.4	20.9	21.1	21.6	21.11	22.4	22.9	23.2	23.7	24.0	24.4	24.9	25.2	25.7	26.0	26.5	26.10	27.3	27.7	28.0	28.5	28.10	29.3
9½	20.0	20.5	20.10	21.3	21.7	22.0	22.5	22.10	23.3	23.8	24.1	24.6	24.11	25.4	25.8	26.1	26.6	26.11	27.4	27.9	28.2	28.7	29.0	29.4
10	20.1	20.6	20.11	21.4	21.9	22.1	22.6	22.11	23.4	23.9	24.2	24.7	25.0	25.5	25.10	26.3	26.8	27.0	27.5	27.10	28.3	28.8	29.1	29.6
9.10½	20.2	20.7	21.0	21.5	21.10	22.3	22.8	23.0	23.5	23.10	24.3	24.8	25.1	25.6	25.11	26.4	26.9	27.2	27.7	28.0	28.5	28.10	29.3	29.7
11	20.3	20.8	21.1	21.6	21.11	22.4	22.9	23.2	23.7	24.0	24.5	24.9	25.2	25.7	26.0	26.5	26.10	27.3	27.8	28.1	28.6	28.11	29.4	29.9
11½	20.4	20.9	21.2	21.7	22.0	22.5	22.10	23.3	23.8	24.1	24.6	24.11	25.4	25.9	26.2	26.7	27.0	27.5	27.10	28.3	28.8	29.1	29.6	29.10
10.0	20.5	20.10	21.3	21.8	22.1	22.6	22.11	23.4	23.9	24.2	24.7	25.0	25.5	25.10	26.3	26.8	27.1	27.6	27.11	28.4	28.9	29.2	29.7	30.0
10.0½	20.6	20.11	21.4	21.9	22.2	22.7	23.0	23.5	23.10	24.3	24.8	25.1	25.6	25.11	26.4	26.9	27.2	27.7	28.0	28.5	28.10	29.3	29.8	30.1
1	20.7	21.0	21.5	21.10	22.3	22.8	23.1	23.6	23.11	24.4	24.9	25.2	25.8	26.1	26.6	26.11	27.4	27.9	28.2	28.7	29.0	29.5	29.10	30.3
1½	20.8	21.1	21.6	21.11	22.4	22.9	23.2	23.7	24.1	24.6	24.11	25.4	25.9	26.2	26.7	27.0	27.5	27.10	28.3	28.8	29.1	29.6	29.11	30.4
2	20.9	21.2	21.7	22.0	22.6	22.10	23.4	23.9	24.2	24.7	25.0	25.5	25.10	26.3	26.8	27.1	27.6	27.11	28.5	28.10	29.3	29.8	30.1	30.6
10.2½	20.10	21.3	21.8	22.1	22.7	23.0	23.5	23.10	24.3	24.8	25.1	25.6	25.11	26.4	26.10	27.3	27.8	28.1	28.6	28.11	29.4	29.9	30.2	30.7
3	20.11	21.4	21.9	22.2	22.8	23.1	23.6	23.11	24.4	24.9	25.2	25.7	26.1	26.6	26.11	27.4	27.9	28.2	28.7	29.0	29.6	29.11	30.4	30.9
3½	21.0	21.5	21.10	22.4	22.9	23.2	23.7	24.0	24.5	24.10	25.4	25.9	26.2	26.7	27.0	27.5	27.10	28.4	28.9	29.2	29.7	30.0	30.5	30.10
4	21.1	21.6	21.11	22.5	22.10	23.3	23.8	24.1	24.6	25.0	25.5	25.10	26.3	26.8	27.1	27.7	28.0	28.5	28.10	29.3	29.8	30.2	30.7	31.0
10.4½	21.2	21.7	22.1	22.6	22.11	23.4	23.9	24.2	24.8	25.1	25.6	25.11	26.4	26.10	27.3	27.8	28.1	28.6	29.0	29.5	29.10	30.3	30.8	31.1
5	21.3	21.8	22.2	22.7	23.0	23.5	23.10	24.4	24.9	25.2	25.7	26.0	26.6	26.11	27.4	27.9	28.3	28.8	29.1	29.6	29.11	30.5	30.10	31.3
5½	21.4	21.9	22.3	22.8	23.1	23.6	24.0	24.5	24.10	25.3	25.8	26.2	26.7	27.0	27.5	27.11	28.4	28.9	29.2	29.8	30.1	30.6	30.11	31.4
6	21.5	21.10	22.4	22.9	23.2	23.7	24.1	24.6	24.11	25.4	25.10	26.3	26.8	27.1	27.7	28.0	28.5	28.10	29.4	29.9	30.2	30.7	31.1	31.6
10.6½	21.6	22.0	22.5	22.10	23.3	23.9	24.2	24.7	25.0	25.6	25.11	26.4	26.10	27.3	27.8	28.1	28.7	29.0	29.5	29.10	30.4	30.9	31.2	31.7
7	21.7	22.1	22.6	22.11	23.4	23.10	24.3	24.8	25.2	25.7	26.0	26.5	26.11	27.4	27.9	28.3	28.8	29.1	29.7	30.0	30.5	30.10	31.4	31.9
7½	21.8	22.2	22.7	23.0	23.6	23.11	24.4	24.9	25.3	25.8	26.1	26.7	27.0	27.5	27.11	28.4	28.9	29.3	29.8	30.1	30.7	31.0	31.5	31.10
8	21.9	22.3	22.8	23.1	23.7	24.0	24.5	24.11	25.4	25.9	26.3	26.8	27.1	27.7	28.0	28.5	28.11	29.4	29.9	30.3	30.8	31.1	31.7	32.0
10.8½	21.10	22.4	22.9	23.2	23.8	24.1	24.6	25.0	25.5	25.11	26.4	26.9	27.3	27.8	28.1	28.7	29.0	29.5	29.11	30.4	30.9	31.3	31.8	32.1
9	21.11	22.5	22.10	23.3	23.9	24.2	24.8	25.1	25.6	26.0	26.5	26.10	27.4	27.9	28.3	28.8	29.1	29.7	30.0	30.5	30.11	31.4	31.10	32.3
9½	22.0	22.6	22.11	23.5	23.10	24.3	24.9	25.2	25.8	26.1	26.6	27.0	27.5	27.11	28.4	28.9	29.3	29.8	30.2	30.7	31.0	31.6	31.11	32.4
10	22.1	22.7	23.0	23.6	23.11	24.4	24.10	25.3	25.9	26.2	26.8	27.1	27.6	28.0	28.5	28.11	29.4	29.9	30.3	30.8	31.2	31.7	32.1	32.6
10.10½	22.2	22.8	23.1	23.7	24.0	24.6	24.11	25.4	25.10	26.3	26.9	27.2	27.8	28.1	28.7	29.0	29.5	29.11	30.4	30.10	31.3	31.9	32.2	32.7
11	22.3	22.9	23.2	23.8	24.1	24.7	25.0	25.6	25.11	26.5	26.10	27.3	27.9	28.2	28.8	29.1	29.7	30.0	30.6	30.11	31.5	31.10	32.4	32.9
11½	22.4	22.10	23.3	23.9	24.2	24.8	25.1	25.7	26.0	26.6	26.11	27.5	27.10	28.4	28.9	29.3	29.8	30.2	30.7	31.1	31.6	32.0	32.5	32.10
11.0	22.5	22.11	23.4	23.10	24.3	24.9	25.2	25.8	26.1	26.7	27.0	27.6	27.11	28.5	28.10	29.4	29.9	30.3	30.8	31.2	31.7	32.1	32.6	33.0
11.0½	22.7	23.0	23.6	23.11	24.5	24.10	25.4	25.9	26.3	26.8	27.2	27.7	28.1	28.6	29.0	29.5	29.11	30.4	30.10	31.3	31.9	32.2	32.8	33.1
1	22.8	23.1	23.7	24.0	24.6	24.11	25.5	25.10	26.4	26.9	27.3	27.8	28.2	28.8	29.1	29.7	30.0	30.6	30.11	31.5	31.10	32.4	32.9	33.3
1½	22.9	23.2	23.8	24.1	24.7	25.0	25.6	25.11	26.5	26.11	27.4	27.10	28.3	28.9	29.3	29.8	30.2	30.7	31.1	31.6	32.0	32.5	32.11	33.4
2	22.10	23.3	23.9	24.2	24.8	25.1	25.7	26.1	26.6	27.0	27.5	27.11	28.5	28.10	29.4	29.9	30.3	30.8	31.2	31.8	32.1	32.7	33.0	33.6
11.2½	22.11	23.4	23.10	24.3	24.9	25.3	25.8	26.2	26.7	27.1	27.7	28.0	28.6	28.11	29.5	29.11	30.4	30.10	31.3	31.9	32.3	32.8	33.2	33.7
3	23.0	23.5	23.11	24.4	24.10	25.4	25.9	26.3	26.9	27.2	27.8	28.1	28.7	29.1	29.6	30.0	30.6	30.11	31.5	31.10	32.4	32.10	33.3	33.9
3½	23.1	23.6	24.0	24.6	24.11	25.5	25.11	26.4	26.10	27.3	27.9	28.3	28.8	29.2	29.8	30.1	30.7	31.0	31.6	32.0	32.6	32.11	33.5	33.10
4	23.2	23.7	24.1	24.7	25.0	25.6	26.0	26.5	26.11	27.5	27.10	28.4	28.10	29.3	29.9	30.3	30.8	31.2	31.8	32.1	32.7	33.1	33.6	34.0
11.4½	23.3	23.8	24.2	24.8	25.1	25.7	26.1	26.6	27.0	27.6	28.0	28.5	28.11	29.5	29.10	30.4	30.10	31.3	31.9	32.3	32.8	33.2	33.8	34.1
5	23.4	23.9	24.3	24.9	25.3	25.8	26.2	26.8	27.1	27.7	28.1	28.6	29.0	29.6	30.0	30.5	30.11	31.5	31.10	32.4	32.10	33.4	33.9	34.3
5½	23.5	23.10	24.4	24.10	25.4	25.9	26.3	26.9	27.3	27.8	28.2	28.8	29.1	29.7	30.1	30.7	31.0	31.6	32.0	32.6	32.11	33.5	33.11	34.4
6	23.6	23.11	24.5	24.11	25.5	25.10	26.4	26.10	27.4	27.9	28.3	28.9	29.3	29.8	30.2	30.8	31.2	31.7	32.1	32.7	33.1	33.6	34.0	34.6
11.6½	23.7	24.1	24.6	25.0	25.6	26.0	26.5	26.11	27.5	27.11	28.4	28.10	29.4	29.10	30.4	30.9	31.3	31.9	32.3	32.8	33.2	33.8	34.2	34.7
7	23.8	24.2	24.7	25.1	25.7	26.1	26.7	27.0	27.6	28.0	28.6	28.11	29.5	29.11	30.5	30.11	31.4	31.10	32.4	32.10	33.4	33.9	34.3	34.9
7½	23.9	24.3	24.8	25.2	25.8	26.2	26.8	27.1	27.7	28.1	28.7	29.1	29.7	30.0	30.6	31.0	31.6	32.0	32.5	32.11	33.5	33.11	34.5	34.10
8	23.10	24.4	24.9	25.3	25.9	26.3	26.9	27.3	27.8	28.2	28.8	29.2	29.8	30.2	30.7	31.1	31.7	32.1	32.7	33.1	33.6	34.0	34.6	35.0
11.8½	23.11	24.5	24.11	25.4	25.10	26.4	26.10	27.4	27.10	28.4	28.9	29.3	29.9	30.3	30.9	31.3	31.9	32.2	32.8	33.2	33.8	34.2	34.8	35.1
9	24.0	24.6	25.0	25.5	25.11	26.5	26.11	27.5	27.11	28.5	28.11	29.4	29.10	30.4	30.10	31.4	31.10	32.4	32.10	33.3	33.9	34.3	34.9	35.3
9½	24.1	24.7	25.1	25.7	26.0	26.6	27.0	27.6	28.0	28.6	29.0	29.6	30.0	30.6	30.11	31.5	31.11	32.5	32.11	33.5	33.11	34.5	34.11	35.4
10	24.2	24.8	25.2	25.8	26.2	26.7	27.1	27.7	28.1	28.7	29.1	29.7	30.1	30.7	31.1	31.7	32.1	32.6	33.0	33.6	34.0	34.6	35.0	35.6
11.10½	24.3	24.9	25.3	25.9	26.3	26.9	27.3	27.8	28.2	28.8	29.2	29.8	30.2	30.8	31.2	31.8	32.2	32.8	33.2	33.8	34.2	34.8	35.1	35.7
11	24.4	24.10	25.4	25.10	26.4	26.10	27.4	27.10	28.4	28.10	29.4	29.9	30.3	30.9	31.3	31.9	32.3	32.9	33.3	33.9	34.3	34.9	35.3	35.9
11½	24.5	24.11	25.5	25.11	26.5	26.11	27.5	27.11	28.5	28.11	29.5	29.11	30.5	30.11	31.5	31.11	32.5	32.11	33.5	33.11	34.5	34.11	35.4	35.10
12.0	24.6	25.0	25.6	26.0	26.6	27.0	27.6	28.0	28.6	29.0	29.6	30.0	30.6	31.0	31.6	32.0	32.6	33.0	33.6	34.0	34.6	35.0	35.6	36.0
12.0½	24.7	25.1	25.7	26.1	26.7	27.1	27.7	28.1	28.7	29.1	29.7	30.1	30.7	31.1	31.7	32.1	32.7	33.1	33.7	34.1	34.7	35.1	35.7	36.1
1	24.8	25.2	25.8	26.2	26.8	27.2	27.8	28.2	28.8	29.2	29.8	30.2	30.9	31.3	31.9	32.3	32.9	33.3	33.9	34.3	34.9	35.3	35.9	36.3
1½	24.9	25.3	25.9	26.3	26.9	27.3	27.9	28.3	28.10	29.4	29.10	30.4	30.10	31.4	31.10	32.4	32.10	33.4	33.10	34.4	34.10	35.4	35.10	36.4
2	24.10	25.4	25.10	26.4	26.10	27.4	27.11	28.5	28.11	29.5	29.11	30.5	30.11	31.5	31.11	32.5	32.11	33.5	34.0	34.6	35.0	35.6	36.0	36.6
12.2½	24.11	25.5	25.11	26.5	27.0	27.6	28.0	28.6	29.0	29.6	30.0	30.6	31.0	31.6	32.1	32.7	33.1	33.7	34.1	34.7	35.1	35.7	36.1	36.7
3	25.0	25.6	26.0	26.6	27.1	27.7	28.1	28.7	29.1	29.7	30.1	30.7	31.2	31.8	32.2	32.8	33.2	33.8	34.2	34.8	35.3	35.9	36.3	36.9
3½	25.1	25.7	26.1	26.8	27.2	27.8	28.2	28.8	29.2	29.8	30.3	30.9	31.3	31.9	32.3	32.9	33.3	33.10	34.4	34.10	35.4	35.10	36.4	36.10
4	25.2	25.8	26.2	26.9	27.3	27.9	28.3	28.9	29.3	29.10	30.4	30.10	31.4	31.10	32.4	32.11	33.5	33.11	34.5	34.11	35.5	36.0	36.6	37.0
12.4½	25.3	25.9	26.4	26.10	27.4	27.10	28.4	28.10	29.5	29.11	30.5	30.11	31.5	32.0	32.6	33.0	33.6	34.0	34.7	35.1	35.7	36.1	36.7	37.1
5	25.4	25.10	26.5	26.11	27.5	27.11	28.5	29.0	29.6	30.0	30.6	31.0	31.7	32.1	32.7	33.1	33.8	34.2	34.8	35.2	35.8	36.3	36.9	37.3
5½	25.5	25.11	26.6	27.0	27.6	28.0	28.7	29.1	29.7	30.1	30.8	31.2	31.8	32.2	32.8	33.3	33.9	34.3	34.9	35.4	35.10	36.4	36.10	37.4
6	25.6	26.0	26.7	27.1	27.7	28.1	28.8	29.2	29.8	30.2	30.9	31.3	31.9	32.3	32.10	33.4	33.10	34.4	34.11	35.5	35.11	36.5	37.0	37.6

from 3 foot and ½ an inch by 3 foot and ½ an inch to 4 foot 2 inches by 4 foot.

	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I
F.I.Parts	3.0½	3.1	3.1½	3.2	3.2½	3.3	3.3½	3.4	3.4½	3.5	3.5½	3.6	3.6½	3.7	3.7½	3.8	3.8½	3.9	3.9½	3.10	3.10½	3.11	3.11½	4.0
3.0½	9.3																							
1	9.5	9.6																						
1½	9.6	9.8	9.9																					
2	9.8	9.9	9.11	10.0																				
3.2½	9.9	9.11	10.0	10.2	10.4																			
3	9.11	10.0	10.2	10.3	10.5	10.7																		
3½	10.0	10.2	10.3	10.5	10.7	10.8	10.10																	
4	10.2	10.3	10.5	10.7	10.8	10.10	11.0	11.1																
3.4½	10.3	10.5	10.7	10.8	10.10	11.0	11.1	11.3	11.5															
5	10.5	10.6	10.8	10.10	11.0	11.1	11.3	11.5	11.6	11.8														
5½	10.6	10.8	10.10	10.11	11.1	11.3	11.5	11.6	11.8	11.10	12.0													
6	10.8	10.9	10.11	11.1	11.3	11.4	11.6	11.8	11.10	11.11	12.1	12.3												
3.6½	10.9	10.11	11.1	11.3	11.4	11.6	11.8	11.10	11.11	12.1	12.3	12.5	12.7											
7	10.11	11.1	11.2	11.4	11.6	11.8	11.10	11.11	12.1	12.3	12.5	12.6	12.8	12.10										
7½	11.0	11.2	11.4	11.6	11.8	11.9	11.11	12.1	12.3	12.5	12.6	12.8	12.10	13.0	13.2									
8	11.2	11.4	11.5	11.7	11.9	11.11	12.1	12.3	12.4	12.6	12.8	12.10	13.0	13.2	13.3	13.5								
3.8½	11.3	11.5	11.7	11.9	11.11	12.1	12.2	12.4	12.6	12.8	12.10	13.0	13.2	13.3	13.5	13.7	13.9							
9	11.5	11.7	11.9	11.10	12.0	12.2	12.4	12.6	12.8	12.10	13.0	13.1	13.3	13.5	13.7	13.9	13.11	14.1						
9½	11.6	11.8	11.10	12.0	12.2	12.4	12.6	12.8	12.10	12.11	13.1	13.3	13.5	13.7	13.9	13.11	14.1	14.3	14.5					
10	11.8	11.10	12.0	12.2	12.4	12.5	12.7	12.9	12.11	13.1	13.3	13.5	13.7	13.9	13.11	14.1	14.3	14.4	14.6	14.8				
3.10½	11.9	11.11	12.1	12.3	12.5	12.7	12.9	12.11	13.1	13.3	13.5	13.7	13.9	13.11	14.1	14.2	14.4	14.6	14.8	14.10	15.0			
11	11.11	12.1	12.3	12.5	12.7	12.9	12.11	13.1	13.3	13.5	13.7	13.8	13.10	14.0	14.2	14.4	14.6	14.8	14.10	15.0	15.2	15.4		
11½	12.0	12.2	12.4	12.6	12.8	12.10	13.0	13.2	13.4	13.6	13.8	13.10	14.0	14.2	14.4	14.6	14.8	14.10	15.0	15.2	15.4	15.6	15.8	
4.0	12.2	12.4	12.6	12.8	12.10	13.0	13.2	13.4	13.6	13.8	13.10	14.0	14.2	14.4	14.6	14.8	14.10	15.0	15.2	15.4	15.6	15.8	15.10	16.0
4.0½	12.4	12.6	12.8	12.10	13.0	13.2	13.4	13.6	13.8	13.10	14.0	14.2	14.4	14.6	14.8	14.10	15.0	15.2	15.4	15.6	15.8	15.10	16.0	16.2
1	12.5	12.7	12.9	12.11	13.1	13.3	13.5	13.7	13.9	13.11	14.1	14.3	14.6	14.8	14.10	15.0	15.2	15.4	15.6	15.8	15.10	16.0	16.2	16.4
1½	12.7	12.9	12.11	13.1	13.3	13.5	13.7	13.9	13.11	14.1	14.3	14.5	14.7	14.9	14.11	15.1	15.4	15.6	15.8	15.10	16.0	16.2	16.4	16.6
2	12.8	12.10	13.0	13.2	13.4	13.6	13.9	13.11	14.1	14.3	14.5	14.7	14.9	14.11	15.1	15.3	15.5	15.7	15.10	16.0	16.2	16.4	16.6	16.8

A TABLE OF FEET AND INCHES

from 4 foot 2 inches and a ½ by 3 foot and ½ an inch to 9 foot 2 inches. by 4 foot.

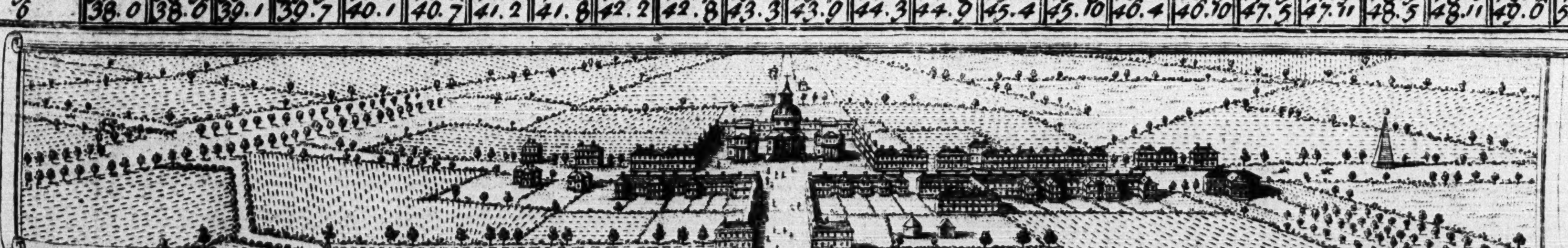
	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I
F.I. Parts	3.0½	3.1	3.1½	3.2	3.2½	3.3	3.3½	3.4	3.4½	3.5	3.5½	3.6	3.6½	3.7	3.7½	3.8	3.8½	3.9	3.9½	3.10	3.10½	3.11	3.11½	4.0
4.2½	12.10	13.0	13.2	13.4	13.6	13.8	13.10	14.0	14.2	14.5	14.7	14.9	14.11	15.1	15.3	15.5	15.7	15.9	15.11	16.2	16.4	16.6	16.8	16.10
3	12.11	13.1	13.3	13.5	13.8	13.10	14.0	14.2	14.4	14.6	14.8	14.10	15.1	15.3	15.5	15.7	15.9	15.11	16.1	16.3	16.6	16.8	16.10	17.0
3½	13.1	13.3	13.5	13.7	13.9	13.11	14.2	14.4	14.6	14.8	14.10	15.0	15.2	15.5	15.7	15.9	15.11	16.1	16.3	16.5	16.8	16.10	17.0	17.2
4	13.2	13.4	13.6	13.9	13.11	14.1	14.3	14.5	14.7	14.10	15.0	15.2	15.4	15.6	15.8	15.11	16.1	16.3	16.5	16.7	16.9	17.0	17.2	17.4
4.4½	13.4	13.6	13.8	13.10	14.0	14.3	14.5	14.7	14.9	14.11	15.2	15.4	15.6	15.8	15.10	16.0	16.3	16.5	16.7	16.9	16.11	17.2	17.4	17.6
5	13.5	13.7	13.10	14.0	14.2	14.4	14.6	14.9	14.11	15.1	15.3	15.5	15.8	15.10	16.0	16.2	16.5	16.7	16.9	16.11	17.1	17.4	17.6	17.8
5½	13.7	13.9	13.11	14.1	14.4	14.6	14.8	14.10	15.1	15.3	15.5	15.7	15.9	16.0	16.2	16.4	16.6	16.9	16.11	17.1	17.3	17.6	17.8	17.10
6	13.8	13.10	14.1	14.3	14.5	14.7	14.9	15.0	15.2	15.4	15.7	15.9	15.11	16.1	16.4	16.6	16.8	16.10	17.0	17.3	17.5	17.7	17.10	18.0
4.6½	13.10	14.0	14.2	14.5	14.7	14.9	14.11	15.2	15.4	15.6	15.8	15.11	16.1	16.3	16.6	16.8	16.10	17.0	17.2	17.5	17.7	17.9	18.0	18.2
7	13.11	14.2	14.4	14.6	14.8	14.11	15.1	15.3	15.6	15.8	15.10	16.0	16.3	16.5	16.7	16.10	17.0	17.2	17.4	17.7	17.9	17.11	18.2	18.4
7½	14.1	14.3	14.5	14.8	14.10	15.0	15.3	15.5	15.7	15.10	16.0	16.2	16.5	16.7	16.9	16.11	17.2	17.4	17.5	17.9	17.11	18.1	18.4	18.6
8	14.2	14.5	14.7	14.9	15.0	15.2	15.4	15.7	15.9	15.11	16.2	16.4	16.6	16.9	16.11	17.1	17.4	17.6	17.7	17.11	18.1	18.3	18.6	18.8
4.8½	14.4	14.6	14.9	14.11	15.1	15.4	15.6	15.8	15.11	16.1	16.3	16.6	16.8	16.11	17.1	17.3	17.6	17.8	17.9	18.1	18.3	18.5	18.8	18.10
9	14.5	14.8	14.10	15.0	15.3	15.5	15.8	15.10	16.0	16.3	16.5	16.7	16.10	17.0	17.3	17.5	17.7	17.10	17.11	18.2	18.5	18.7	18.10	19.0
9½	14.7	14.9	15.0	15.2	15.4	15.7	15.9	16.0	16.2	16.5	16.7	16.9	17.0	17.2	17.4	17.7	17.9	18.0	18.1	18.4	18.7	18.9	19.0	19.2
10	14.8	14.11	15.1	15.4	15.6	15.8	15.11	16.1	16.4	16.6	16.9	16.11	17.1	17.4	17.6	17.9	17.11	18.1	18.3	18.6	18.9	18.11	19.2	19.4
4.10½	14.10	15.0	15.3	15.5	15.8	15.10	16.1	16.3	16.6	16.8	16.10	17.1	17.3	17.6	17.8	17.10	18.1	18.3	18.5	18.8	18.11	19.1	19.4	19.6
11	14.11	15.2	15.4	15.7	15.9	16.0	16.2	16.5	16.7	16.10	17.0	17.2	17.5	17.7	17.10	18.0	18.3	18.5	18.7	18.10	19.1	19.3	19.5	19.8
11½	15.1	15.3	15.6	15.8	15.11	16.1	16.4	16.6	16.9	16.11	17.2	17.4	17.7	17.9	18.0	18.0	18.5	18.7	18.9	19.0	19.3	19.5	19.8	19.10
5.0	15.2	15.5	15.7	15.10	16.0	16.3	16.5	16.8	16.11	17.1	17.4	17.6	17.9	17.11	18.1	18.4	18.6	18.9	18.11	19.2	19.4	19.7	19.9	20.0
5.0½	15.4	15.7	15.9	16.0	16.2	16.5	16.7	16.10	17.0	17.3	17.5	17.8	17.10	18.1	18.3	18.6	18.8	18.11	19.0	19.4	19.6	19.9	19.11	20.2
1	15.6	15.8	15.11	16.1	16.4	16.6	16.9	16.11	17.2	17.4	17.7	17.9	18.0	18.3	18.5	18.8	18.10	19.1	19.2	19.6	19.8	19.11	20.1	20.4
1½	15.7	15.10	16.0	16.3	16.5	16.8	16.10	17.1	17.4	17.6	17.9	17.11	18.2	18.4	18.7	18.9	19.0	19.3	19.4	19.8	19.10	20.1	20.3	20.6
2	15.9	15.11	16.2	16.4	16.7	16.9	17.0	17.3	17.5	17.8	17.10	18.1	18.4	18.6	18.9	18.11	19.2	19.4	19.6	19.10	20.0	20.3	20.5	20.8
5.2½	15.10	16.1	16.3	16.6	16.9	16.11	17.2	17.4	17.7	17.10	18.0	18.3	18.5	18.8	18.11	19.1	19.4	19.6	19.8	20.0	20.2	20.5	20.7	20.10
3	16.0	16.2	16.5	16.7	16.10	17.1	17.3	17.6	17.9	17.11	18.2	18.4	18.7	18.9	19.0	19.3	19.6	19.8	19.10	20.0	20.4	20.7	20.9	21.0
3½	16.1	16.4	16.6	16.9	17.0	17.2	17.5	17.8	17.10	18.1	18.4	18.6	18.9	18.11	19.2	19.5	19.7	19.10	20.0	20.3	20.6	20.9	20.11	21.2
4	16.3	16.5	16.8	16.11	17.1	17.4	17.7	17.9	18.0	18.3	18.5	18.8	18.10	19.0	19.4	19.7	19.9	20.0	20.2	20.5	20.8	20.11	21.1	21.4
5.4½	16.4	16.7	16.10	17.0	17.3	17.6	17.8	17.11	18.2	18.5	18.7	18.10	19.1	19.2	19.6	19.8	19.11	20.2	20.4	20.7	20.10	21.1	21.3	21.6
5	16.6	16.8	16.11	17.2	17.5	17.7	17.10	18.1	18.3	18.6	18.9	18.11	19.2	19.4	19.8	19.10	20.1	20.4	20.6	20.9	21.0	21.3	21.5	21.8
5½	16.7	16.10	17.1	17.3	17.6	17.9	18.0	18.2	18.5	18.8	18.11	19.1	19.4	19.7	19.9	20.0	20.3	20.6	20.7	20.11	21.2	21.5	21.7	21.10
6	16.9	16.11	17.2	17.5	17.8	17.10	18.1	18.4	18.7	18.9	19.0	19.3	19.6	19.9	19.11	20.2	20.5	20.7	20.9	21.1	21.4	21.6	21.9	22.0
5.6½	16.10	17.1	17.4	17.7	17.9	18.0	18.3	18.6	18.8	19.0	19.2	19.5	19.8	19.10	20.1	20.4	20.7	20.9	20.11	21.3	21.6	21.8	21.11	22.2
7	17.0	17.3	17.5	17.8	17.11	18.2	18.5	18.7	18.10	19.1	19.4	19.6	19.9	20.0	20.3	20.6	20.8	20.11	21.1	21.5	21.8	21.10	22.1	22.4
7½	17.1	17.4	17.7	17.10	18.1	18.3	18.6	18.9	19.0	19.3	19.5	19.8	19.11	20.2	20.5	20.7	20.10	21.1	21.3	21.7	21.10	22.0	22.3	22.6
8	17.3	17.6	17.8	17.11	18.2	18.5	18.8	18.11	19.1	19.4	19.7	19.10	20.1	20.4	20.6	20.9	21.0	21.3	21.5	21.9	22.0	22.2	22.5	22.8
5.8½	17.4	17.7	17.10	18.1	18.4	18.7	18.9	19.0	19.3	19.6	19.9	20.0	20.3	20.5	20.8	20.11	21.2	21.5	21.7	21.11	22.1	22.4	22.7	22.10
9	17.6	17.9	18.0	18.2	18.5	18.8	18.11	19.2	19.5	19.8	19.11	20.1	20.4	20.7	20.10	21.1	21.4	21.7	21.9	22.0	22.2	22.6	22.9	23.0
9½	17.7	17.10	18.1	18.4	18.7	18.10	19.1	19.4	19.7	19.9	20.0	20.3	20.6	20.9	21.0	21.3	21.6	21.9	21.10	22.2	22.5	22.8	22.11	23.2
10	17.9	18.0	18.3	18.6	18.9	18.11	19.2	19.5	19.8	19.11	20.2	20.5	20.8	20.11	21.2	21.5	21.8	21.10	22.0	22.4	22.7	22.10	23.1	23.4
5.10½	17.10	18.1	18.4	18.7	18.10	19.1	19.4	19.7	19.10	20.1	20.4	20.7	20.10	21.1	21.4	21.6	21.9	22.0	22.3	22.6	22.9	23.0	23.3	23.6
11	18.0	18.3	18.6	18.9	19.0	19.3	19.6	19.9	20.0	20.3	20.6	20.8	20.11	21.2	21.5	21.8	21.11	22.2	22.5	22.8	22.11	23.2	23.5	23.8
11½	18.1	18.4	18.7	18.10	19.1	19.4	19.7	19.10	20.1	20.4	20.7	20.10	21.1	21.4	21.7	21.10	22.1	22.4	22.7	22.10	23.1	23.4	23.7	23.10
6.0	18.3	18.6	18.9	19.0	19.3	19.6	19.9	20.0	20.3	20.6	20.9	21.0	21.3	21.6	21.9	22.0	22.3	22.6	22.9	23.0	23.3	23.6	23.9	24.0
6.0½	18.5	18.8	18.11	19.2	19.5	19.8	19.11	20.2	20.5	20.8	20.11	21.2	21.5	21.8	21.11	22.2	22.5	22.8	22.11	23.2	23.5	23.8	23.11	24.2
1	18.6	18.9	19.0	19.3	19.6	19.9	20.0	20.3	20.6	20.9	21.0	21.3	21.7	21.10	22.1	22.4	22.7	22.10	23.1	23.4	23.7	23.10	24.1	24.4
1½	18.8	18.11	19.2	19.5	19.8	19.11	20.2	20.5	20.8	20.11	21.2	21.5	21.8	21.11	22.2	22.5	22.9	23.0	23.3	23.6	23.9	24.0	24.3	24.6
2	18.9	19.0	19.3	19.6	19.9	20.0	20.4	20.7	20.10	21.1	21.4	21.7	21.10	22.1	22.4	22.7	22.10	23.1	23.5	23.8	23.11	24.2	24.5	24.8
6.2½	18.11	19.2	19.5	19.8	19.11	20.2	20.5	20.8	20.11	21.3	21.6	21.9	22.0	22.3	22.6	22.9	23.0	23.3	23.6	23.10	24.1	24.4	24.7	24.10
3	19.0	19.3	19.6	19.9	20.1	20.4	20.7	20.10	21.1	21.4	21.7	21.10	22.2	22.5	22.8	22.11	23.2	23.5	23.8	23.11	24.3	24.6	24.9	25.0
3½	19.2	19.5	19.8	19.11	20.2	20.5	20.9	21.0	21.3	21.6	21.9	22.0	22.4	22.7	22.10	23.1	23.4	23.7	23.10	24.1	24.5	24.8	24.11	25.2
4	19.3	19.6	19.9	20.1	20.4	20.7	20.10	21.1	21.4	21.8	21.11	22.2	22.5	22.8	22.11	23.3	23.6	23.9	24.0	24.3	24.6	24.10	25.1	25.4
6.4½	19.5	19.8	19.11	20.2	20.5	20.9	21.0	21.3	21.6	21.9	22.1	22.4	22.7	22.10	23.1	23.4	23.8	23.11	24.2	24.5	24.8	25.0	25.3	25.6
5	19.6	19.9	20.1	20.4	20.7	20.10	21.1	21.5	21.8	21.11	22.2	22.5	22.9	23.0	23.3	23.6	23.10	24.1	24.4	24.7	24.10	25.2	25.5	25.8
5½	19.8	19.11	20.2	20.5	20.9	21.0	21.3	21.6	21.10	22.1	22.4	22.7	22.10	23.2	23.5	23.8	23.11	24.3	24.6	24.9	25.0	25.4	25.7	25.10
6	19.9	20.0	20.4	20.7	20.10	21.1	21.5	21.8	21.11	22.2	22.6	22.9	23.0	23.3	23.7	23.10	24.1	24.4	24.8	24.11	25.2	25.5	25.9	26.0
6.6½	19.11	20.2	20.5	20.9	21.0	21.3	21.6	21.10	22.1	22.4	22.7	22.11	23.2	23.5	23.9	24.0	24.3	24.6	24.10	25.1	25.4	25.7	25.11	26.2
7	20.0	20.4	20.7	20.10	21.1	21.5	21.8	21.11	22.3	22.6	22.9	23.0	23.4	23.7	23.10	24.2	24.5	24.8	25.0	25.3	25.6	25.9	26.1	26.4
7½	20.2	20.5	20.8	21.0	21.3	21.6	21.10	22.1	22.4	22.8	22.11	23.2	23.6	23.9	24.0	24.3	24.7	24.10	25.1	25.5	25.8	25.11	26.3	26.6
8	20.3	20.7	20.10	21.1	21.5	21.8	21.11	22.3	22.6	22.9	23.1	23.4	23.7	23.11	24.2	24.5	24.9	25.0	25.3	25.7	25.10	26.1	26.5	26.8
6.8½	20.5	20.8	21.0	21.3	21.6	21.10	22.1	22.4	22.8	22.11	23.2	23.5	23.9	24.0	24.4	24.7	24.11	25.2	25.5	25.9	26.0	26.3	26.7	26.10
9	20.6	20.10	21.1	21.4	21.8	21.11	22.3	22.6	22.9	23.1	23.4	23.7	23.11	24.2	24.6	24.9	25.0	25.4	25.7	25.10	26.2	26.5	26.9	27.0
9½	20.8	20.11	21.3	21.6	21.9	22.1	22.4	22.8	22.11	23.2	23.6	23.9	24.1	24.4	24.7	24.11	25.2	25.6	25.9	26.0	26.4	26.7	26.11	27.2
10	20.9	21.1	21.4	21.8	21.11	22.2	22.6	22.9	23.1	23.4	23.8	23.10	24.2	24.6	24.9	25.1	25.4	25.7	25.11	26.2	26.6	26.9	27.1	27.4
6.10½	20.11	21.2	21.6	21.9	22.1	22.4	22.8	22.11	23.2	23.6	23.9	24.1	24.4	24.8	24.11	25.2	25.6	25.9	26.1	26.4	26.8	26.11	27.3	27.6
11	21.0	21.4	21.7	21.11	22.2	22.6	22.9	23.1	23.4	23.8	23.11	24.2	24.6	24.9	25.1	25.4	25.8	25.11	26.3	26.6	26.10	27.1	27.5	27.8
11½	21.2	21.5	21.9	22.0	22.4	22.7	22.11	23.2	23.6	23.9	24.1	24.4	24.8	24.11	25.3	25.6	25.10	26.0	26.5	26.8	27.0	27.3	27.7	27.10
7.0	21.3	21.7	21.10	22.2	22.5	22.9	23.0	23.4	23.7	23.11	24.2	24.6	24.9	25.1	25.4	25.8	25.11	26.3	26.6	26.10	27.1	27.5	27.8	28.0
7.0½	21.5	21.9	22.0	22.4	22.7	22.11	23.2	23.6	23.9	24.1	24.4	24.8	24.11	25.3	25.6	25.10	26.1	26.5	26.8	27.0	27.3	27.7	27.10	28.2
1	21.7	21.10	22.2	22.5	22.9	23.0	23.4	23.7	23.11	24.2	24.6	24.9	25.1	25.5	25.8	26.0	26.3	26.7	26.10	27.2	27.5	27.9	28.0	28.3
1½	21.8	22.0	22.3	22.7	22.10	23.2	23.5	23.9	24.1	24.4	24.8	24.11	25.3	25.6	25.10	26.1	26.5	26.9	27.0	27.4	27.7	27.11	28.2	28.5
2	21.10	22.1	22.5	22.8	23.0	23.3	23.7	23.11	24.2	24.6	24.9	25.1	25.5	25.8	26.0	26.3	26.7	26.10	27.2	27.6	27.9	28.1	28.4	28.8
7.2½	21.11	22.3	22.6	22.10	23.2	23.5	23.9	24.0	24.4	24.8	24.11	25.3	25.6	25.10	26.1	26.5	26.9	27.0	27.4	27.8	27.11	28.3	28.7	28.11
3	22.1	22.4	22.8	22.11	23.3	23.7	23.10	24.2	24.5	24.9	25.1	25.4	25.8	26.0	26.3	26.7	26.11	27.2	27.6	27.9	28.1	28.5	28.8	29.0
3½	22.2	22.6	22.9	23.1	23.5	23.8	24.0	24.4	24.7	24.11	25.3	25.6	25.10	26.2	26.5	26.9	27.0	27.4	27.8	27.11	28.3	28.7	28.10	29.2
4	22.4	22.7	22.11	23.3	23.6	23.10	24.2	24.5	24.8	25.1	25.4	25.8	26.0	26.3	26.6	26.11	27.2	27.6	27.10	28.1	28.5	28.9	29.0	29.4
7.4½	22.5	22.9	23.1	23.4	23.8	24.0	24.3	24.7	24.11	25.2	25.6	25.10	26.1	26.5	26.9	27.0	27.4	27.8	28.0	28.3	28.7	28.11	29.2	29.6
5	22.7	22.10	23.2	23.6	23.10	24.1	24.5	24.9	25.0	25.4	25.8	25.11	26.3	26.7	26.11	27.2	27.6	27.10	28.1	28.5	28.9	29.1	29.4	29.8
5½	22.8	23.0	23.4	23.7	23.11	24.3	24.7	24.10	25.2	25.6	25.10	26.1	26.5	26.9	27.0	27.4	27.8	28.0	28.3	28.7	28.11	29.3	29.6	29.10
6	22.10	23.1	23.5	23.9	24.2	24.4	24.8	25.0	25.4	25.7	25.11	26.3	26.7	26.10	27.2	27.6	27.10	28.1	28.5	28.9	29.1	29.4	29.8	30.0
7.6½	22.11	23.3	23.7	23.11	24.2	24.6	24.10	25.2	25.5	25.9	26.1	26.5	26.9	27.0	27.4	27.8	28.0	28.3	28.7	28.11	29.3	29.6	29.10	30.2
7	23.1	23.5	23.8	24.0	24.4	24.8	25.0	25.3	25.7	25.11	26.3	26.6	26.10	27.2	27.6	27.10	28.1	28.5	28.9	29.1	29.5	29.8	30.0	30.4
7½	23.2	23.6	23.10	24.2	24.6	24.9	25.1	25.5	25.9	26.1	26.4	26.8	27.0	27.4	27.8	27.11	28.3	28.7	28.11	29.3	29.7	29.10	30.2	30.6
8	23.4	23.8	23.11	24.3	24.7	24.11	25.3	25.7	25.10	26.2	26.6	26.10	27.2	27.6	27.9	28.1	28.5	28.9	29.1	29.5	29.8	30.0	30.4	30.8
7.8½	23.5	23.9	24.1	24.5	24.9	25.1	25.4	25.8	26.0	26.4	26.8	27.0	27.3	27.7	27.11	28.3	28.7	28.11	29.3	29.7	29.10	30.2	30.6	30.10
9	23.7	23.11	24.3	24.6	24.10	25.2	25.6	25.10	26.2	26.6	26.10	27.1	27.5	27.9	28.1	28.5	28.9	29.1	29.5	29.8	30.0	30.4	30.8	31.0
9½	23.8	24.0	24.4	24.8	25.0	25.4	25.8	26.0	26.4	26.7	26.11	27.3	27.6	27.11	28.3	28.7	28.11	29.3	29.6	29.10	30.2	30.6	30.10	31.2
10	23.10	24.2	24.6	24.10	25.2	25.5	25.9	26.1	26.5	26.9	27.1	27.5	27.9	28.1	28.5	28.9	29.1	29.4	29.7	30.0	30.4	30.8	31.0	31.4
7.10½	23.11	24.3	24.7	24.11	25.3	25.7	26.0	26.3	26.7	26.11	27.3	27.7	27.11	28.3	28.7	28.10	29.2	29.6	29.10	30.2	30.6	30.10	31.2	31.6
11	24.1	24.5	24.9	25.1	25.5	25.9	26.1	26.5	26.9	27.1	27.5	27.8	28.0	28.4	28.8	29.0	29.4	29.8	30.0	30.4	30.8	31.0	31.4	31.8
11½	24.2	24.6	24.10	25.2	25.6	25.10	26.2	26.6	26.10	27.2	27.6	27.10	28.2	28.6	28.10	29.2	29.6	29.10	30.2	30.6	30.10	31.2	31.6	31.10
8.0	24.4	24.8	25.0	25.4	25.8	26.0	26.4	26.8	27.0	27.4	27.8	28.0	28.4	28.8	29.0	29.4	29.8	30.0	30.4	30.8	31.0	31.4	31.8	32.0
8.0½	24.6	24.10	25.2	25.6	25.10	26.2	26.6	26.10	27.2	27.6	27.10	28.2	28.6	28.10	29.2	29.6	29.10	30.2	30.6	30.10	31.2	31.6	31.10	32.2
1	24.7	24.11	25.3	25.7	25.11	26.3	26.7	26.11	27.3	27.7	27.11	28.3	28.8	29.0	29.4	29.8	30.0	30.4	30.8	31.0	31.4	31.8	32.0	32.4
1½	24.9	25.1	25.5	25.9	26.1	26.5	26.9	27.1	27.5	27.9	28.1	28.5	28.9	29.1	29.5	29.9	30.2	30.6	30.10	31.2	31.6	31.10	32.2	32.6
2	24.10	25.2	25.6	25.10	26.2	26.6	26.11	27.3	27.7	27.11	28.3	28.7	28.11	29.3	29.7	29.11	30.3	30.7	31.0	31.4	31.8	32.0	32.4	32.8
8.2½	25.0	25.4	25.8	26.0	26.4	26.8	27.0	27.4	27.8	28.1	28.5	28.9	29.1	29.5	29.9	30.1	30.5	30.9	31.1	31.6	31.10	32.2	32.6	32.10
3	25.1	25.5	25.9	26.1	26.6	26.10	27.2	27.6	27.10	28.2	28.6	28.10	29.3	29.7	29.11	30.3	30.7	30.11	31.3	31.7	32.0	32.4	32.8	33.0
3½	25.3	25.7	25.11	26.3	26.7	26.11	27.4	27.8	28.0	28.4	28.8	29.0	29.4	29.9	30.1	30.5	30.9	31.1	31.5	31.9	32.2	32.6	32.10	33.2
4	25.4	25.8	26.0	26.5	26.9	27.1	27.5	27.9	28.1	28.6	28.10	29.2	29.6	29.10	30.2	30.7	30.11	31.3	31.7	31.11	32.3	32.8	33.0	33.4
8.4½	25.6	25.10	26.2	26.6	26.10	27.3	27.7	27.11	28.3	28.7	29.0	29.4	29.8	30.0	30.4	30.8	31.1	31.5	31.9	32.0	32.5	32.10	33.2	33.6
5	25.7	25.11	26.4	26.8	27.0	27.4	27.9	28.1	28.5	28.9	29.1	29.5	29.10	30.2	30.6	30.10	31.3	31.7	31.11	32.3	32.7	33.0	33.4	33.8
5½	25.9	26.1	26.5	26.9	27.2	27.6	27.10	28.2	28.7	28.11	29.3	29.7	29.11	30.4	30.8	31.0	31.4	31.9	32.1	32.5	32.9	33.2	33.6	33.10
6	25.10	26.2	26.7	26.11	27.3	27.7	28.0	28.4	28.8	29.0	29.5	29.9	30.1	30.5	30.10	31.2	31.6	31.10	32.3	32.7	32.11	33.3	33.8	34.0
8.6½	26.0	26.4	26.8	27.1	27.5	27.9	28.1	28.6	28.10	29.2	29.6	29.11	30.3	30.7	31.0	31.4	31.8	32.0	32.5	32.9	33.1	33.5	33.10	34.2
7	26.1	26.6	26.10	27.2	27.6	27.10	28.3	28.7	29.0	29.4	29.8	30.0	30.5	30.9	31.1	31.6	31.10	32.2	32.7	32.11	33.3	33.7	34.0	34.4
7½	26.3	26.7	26.11	27.4	27.8	28.0	28.5	28.9	29.1	29.6	29.10	30.2	30.7	30.11	31.3	31.7	32.0	32.4	32.8	33.1	33.5	33.9	34.2	34.6
8	26.4	26.9	27.1	27.5	27.10	28.2	28.6	28.11	29.3	29.7	30.0	30.4	30.8	31.1	31.5	31.9	32.2	32.6	32.10	33.3	33.7	33.11	34.4	34.8
8.8½	26.6	26.10	27.3	27.7	27.11	28.4	28.8	29.0	29.5	29.9	30.1	30.6	30.10	31.2	31.7	31.11	32.4	32.8	33.0	33.5	33.9	34.1	34.6	34.10
9	26.7	27.0	27.4	27.8	28.1	28.5	28.10	29.2	29.6	29.11	30.3	30.7	31.0	31.4	31.9	32.1	32.5	32.10	33.2	33.6	33.11	34.3	34.8	35.0
9½	26.9	27.1	27.6	27.10	28.2	28.7	28.11	29.4	29.8	30.0	30.5	30.9	31.2	31.6	31.10	32.3	32.7	33.0	33.4	33.8	34.1	34.5	34.10	35.2
10	26.10	27.3	27.7	28.0	28.4	28.8	29.1	29.5	29.10	30.2	30.7	30.11	31.3	31.8	32.0	32.5	32.9	33.1	33.6	33.10	34.3	34.7	35.0	35.4
8.10½	27.0	27.4	27.9	28.1	28.6	28.10	29.3	29.7	29.11	30.4	30.8	31.1	31.5	31.10	32.2	32.6	32.11	33.3	33.8	34.0	34.5	34.9	35.2	35.6
11	27.1	27.6	27.10	28.3	28.7	29.0	29.4	29.9	30.1	30.6	30.10	31.2	31.7	31.11	32.4	32.8	33.1	33.5	33.10	34.2	34.7	34.11	35.4	35.8
11½	27.3	27.7	28.0	28.4	28.9	29.1	29.6	29.10	30.3	30.7	31.0	31.4	31.9	32.1	32.6	32.10	33.3	33.7	34.0	34.4	34.9	35.1	35.6	35.10
9.0	27.4	27.9	28.1	28.6	28.10	29.3	29.7	30.0	30.4	30.9	31.1	31.6	31.10	32.3	32.7	33.0	33.4	33.9	34.1	34.6	34.10	35.3	35.7	36.0
9.0½	27.6	27.11	28.3	28.8	29.0	29.5	29.9	30.2	30.6	30.11	31.3	31.8	32.0	32.5	32.9	33.2	33.6	33.11	34.3	34.8	35.0	35.5	35.9	36.2
1	27.8	28.0	28.5	28.9	29.2	29.6	29.11	30.3	30.8	31.0	31.5	31.9	32.2	32.7	32.11	33.4	33.8	34.1	34.5	34.10	35.2	35.7	35.11	36.4
1½	27.9	28.2	28.6	28.11	29.3	29.8	30.0	30.5	30.10	31.2	31.7	31.11	32.4	32.8	33.1	33.6	33.10	34.3	34.7	35.0	35.4	35.9	36.1	36.6
2	27.11	28.3	28.8	29.0	29.5	29.9	30.2	30.7	30.11	31.4	31.8	32.1	32.6	32.10	33.3	33.7	34.0	34.4	34.9	35.2	35.6	35.11	36.3	36.8

A TABLE OF FEET AND INCHES

from 9 foot 2 inches and a ½ by 3 foot and ½ an inch to 12 foot 6 inches by 4 foot

	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I
F.I.Parts	3.0½	3.1	3.1½	3.2	3.2½	3.3	3.3½	3.4	3.4½	3.5	3.5½	3.6
9.2½	28.0	28.4	28.9	29.2	29.7	29.11	30.4	30.8	31.1	31.6	31.10	32.3
3	28.2	28.6	28.11	29.3	29.8	30.1	30.5	30.10	31.3	31.7	32.0	32.4
3½	28.3	28.8	29.0	29.5	29.10	30.2	30.7	31.0	31.4	31.9	32.2	32.6
4	28.5	28.9	29.2	29.7	29.11	30.4	30.9	31.1	31.6	31.11	32.3	32.8
9.4½	28.6	28.11	29.4	29.8	30.1	30.6	30.10	31.3	31.8	32.0	32.5	32.10
5	28.8	29.0	29.5	29.10	30.3	30.7	31.0	31.5	31.9	32.2	32.7	32.11
5½	28.9	29.2	29.7	29.11	30.4	30.9	31.2	31.6	31.11	32.4	32.9	33.1
6	28.10	29.3	29.8	30.1	30.6	30.10	31.3	31.8	32.1	32.5	32.10	33.3
9.6½	29.0	29.5	29.10	30.3	30.7	31.0	31.5	31.10	32.2	32.7	33.0	33.5
7	29.2	29.7	29.11	30.4	30.9	31.2	31.7	31.11	32.4	32.9	33.2	33.6
7½	29.3	29.8	30.1	30.6	30.11	31.3	31.8	32.1	32.6	32.11	33.3	33.8
8	29.5	29.10	30.2	30.7	31.0	31.5	31.10	32.3	32.7	33.0	33.5	33.10
9.8½	29.6	29.11	30.4	30.9	31.2	31.7	31.11	32.4	32.9	33.2	33.7	34.0
9	29.8	30.1	30.6	30.10	31.3	31.8	32.1	32.6	32.11	33.4	33.9	34.1
9½	29.9	30.2	30.7	31.0	31.5	31.10	32.3	32.8	33.1	33.5	33.10	34.3
10	29.11	30.4	30.9	31.2	31.7	31.11	32.4	32.9	33.2	33.7	34.0	34.5
9.10½	30.0	30.5	30.10	31.3	31.8	32.1	32.6	32.11	33.4	33.9	34.2	34.7
11	30.2	30.7	31.0	31.5	31.10	32.3	32.8	33.1	33.6	33.11	34.4	34.8
11½	30.3	30.8	31.1	31.6	31.11	32.4	32.9	33.2	33.7	34.0	34.5	34.10
10.0	30.5	30.10	31.3	31.8	32.1	32.6	32.11	33.4	33.9	34.2	34.7	35.0
10.0½	30.7	31.0	31.4	31.10	32.3	32.8	33.1	33.6	33.11	34.4	34.9	35.2
1	30.8	31.1	31.6	31.11	32.4	32.9	33.2	33.7	34.0	34.5	34.10	35.3
1½	30.10	31.3	31.8	32.1	32.6	32.11	33.4	33.9	34.2	34.7	35.0	35.5
2	30.11	31.4	31.9	32.2	32.7	33.0	33.6	33.11	34.4	34.9	35.2	35.7
10.2½	31.1	31.6	31.11	32.4	32.9	33.2	33.7	34.0	34.5	34.11	35.4	35.9
3	31.2	31.7	32.0	32.5	32.11	33.4	33.9	34.2	34.7	35.0	35.5	35.10
3½	31.4	31.9	32.2	32.7	33.0	33.5	33.11	34.4	34.9	35.2	35.7	36.0
4	31.5	31.10	32.3	32.9	33.2	33.7	34.0	34.5	34.10	35.4	35.9	36.2
10.4½	31.7	32.0	32.5	32.10	33.3	33.8	34.2	34.7	35.0	35.5	35.11	36.4
5	31.8	32.1	32.7	33.0	33.5	33.10	34.3	34.9	35.2	35.7	36.0	36.5
5½	31.10	32.3	32.8	33.1	33.7	34.0	34.5	34.10	35.4	35.9	36.2	36.7
6	31.11	32.4	32.10	33.3	33.8	34.1	34.7	35.0	35.5	35.10	36.4	36.9
10.6½	32.1	32.6	32.11	33.5	33.10	34.3	34.8	35.2	35.7	36.0	36.5	36.11
7	32.2	32.8	33.1	33.6	33.11	34.5	34.10	35.3	35.9	36.2	36.7	37.0
7½	32.4	32.9	33.2	33.8	34.1	34.6	35.0	35.5	35.10	36.4	36.9	37.2
8	32.5	32.11	33.4	33.9	34.3	34.8	35.1	35.7	36.0	36.5	36.11	37.4
10.8½	32.7	33.0	33.6	33.11	34.4	34.10	35.3	35.8	36.2	36.7	37.0	37.6
9	32.8	33.2	33.7	34.0	34.6	34.11	35.5	35.10	36.3	36.9	37.2	37.7
9½	32.10	33.3	33.9	34.2	34.7	35.1	35.6	36.0	36.5	36.10	37.4	37.9
10	32.11	33.5	33.10	34.4	34.9	35.2	35.8	36.1	36.7	37.0	37.6	37.11
10.10½	33.1	33.6	34.0	34.5	34.11	35.4	35.9	36.3	36.8	37.2	37.7	38.1
11	33.2	33.8	34.1	34.7	35.0	35.6	36.0	36.5	36.10	37.4	37.9	38.3
11½	33.4	33.9	34.3	34.8	35.2	35.7	36.1	36.6	37.0	37.5	37.11	38.4
11.0	33.5	33.11	34.4	34.10	35.3	35.9	36.2	36.8	37.1	37.7	38.0	38.6
11.0½	33.7	34.1	34.6	35.0	35.5	35.11	36.4	36.10	37.3	37.9	38.2	38.8
1	33.9	34.2	34.8	35.1	35.7	36.0	36.6	36.11	37.5	37.10	38.4	38.9
1½	33.11	34.4	34.9	35.3	35.8	36.2	36.7	37.1	37.7	38.0	38.6	38.11
2	34.0	34.5	34.11	35.4	35.10	36.3	36.9	37.3	37.8	38.2	38.7	39.1
11.2½	34.1	34.7	35.0	35.6	36.0	36.5	36.11	37.4	37.10	38.4	38.9	39.3
3	34.3	34.8	35.2	35.7	36.1	36.7	37.0	37.6	38.0	38.5	38.11	39.4
3½	34.4	34.10	35.3	35.9	36.3	36.8	37.2	37.8	38.1	38.7	39.1	39.6
4	34.6	35.0	35.5	36.0	36.4	36.10	37.4	37.9	38.3	38.9	39.2	39.8
11.4½	34.7	35.1	35.7	36.0	36.6	37.0	37.5	37.11	38.5	38.10	39.4	39.10
5	34.9	35.2	35.8	36.2	36.8	37.1	37.7	38.1	38.6	39.0	39.6	39.11
5½	34.10	35.4	35.10	36.3	36.9	37.3	37.9	38.2	38.8	39.2	39.8	40.1
6	35.0	35.5	36.0	36.5	36.11	37.4	37.10	38.4	38.10	39.3	39.9	40.3
11.6½	35.1	35.7	36.1	36.7	37.0	37.6	38.0	38.6	38.11	39.5	39.11	40.5
7	35.3	35.9	36.2	36.8	37.2	37.8	38.2	38.7	39.1	39.7	40.1	40.6
7½	35.4	35.10	36.4	36.10	37.4	37.9	38.3	38.9	39.3	39.9	40.2	40.8
8	35.6	36.0	36.5	36.11	37.5	37.11	38.5	38.11	39.4	39.10	40.4	40.10
11.8½	35.7	36.1	36.7	37.1	37.7	38.0	38.6	39.0	39.6	40.0	40.6	41.0
9	35.9	36.3	36.9	37.2	37.8	38.2	38.8	39.2	39.8	40.2	40.8	41.1
9½	35.10	36.4	36.10	37.4	37.10	38.4	38.10	39.4	39.10	40.3	40.9	41.3
10	36.0	36.6	37.0	37.6	38.0	38.5	38.11	39.5	39.11	40.5	40.11	41.5
11.10½	36.1	36.7	37.1	37.7	38.1	38.7	39.1	39.7	40.1	40.7	41.1	41.7
11	36.3	36.9	37.3	37.9	38.3	38.9	39.3	39.9	40.3	40.9	41.3	41.9
11½	36.4	36.10	37.4	37.10	38.4	38.10	39.4	39.10	40.4	40.10	41.4	41.10
12.0	36.6	37.0	37.6	38.0	38.6	39.0	39.6	40.0	40.6	41.0	41.6	42.0
12.0½	36.8	37.2	37.8	38.2	38.8	39.2	39.8	40.2	40.8	41.2	41.8	42.2
1	36.9	37.3	37.9	38.3	38.9	39.3	39.9	40.3	40.9	41.3	41.9	42.3
1½	36.11	37.5	37.11	38.5	38.11	39.5	39.11	40.5	40.11	41.5	41.11	42.5
2	37.0	37.6	38.0	38.6	39.0	39.6	40.1	40.7	41.1	41.7	42.1	42.7
12.2½	37.2	37.8	38.2	38.8	39.2	39.8	40.2	40.8	41.2	41.9	42.3	42.9
3	37.3	37.9	38.3	38.9	39.4	39.10	40.4	40.10	41.4	41.10	42.4	42.10
3½	37.5	37.11	38.5	38.11	39.5	39.11	40.6	41.0	41.6	42.0	42.6	43.0
4	37.6	38.0	38.6	39.1	39.7	40.1	40.7	41.1	41.7	42.2	42.8	43.0
12.4½	37.8	38.2	38.8	39.2	39.8	40.3	40.9	41.3	41.9	42.3	42.10	43.4
5	37.9	38.3	38.10	39.4	39.11	40.4	40.10	41.5	41.11	42.5	42.11	43.5
5½	37.11	38.5	38.11	39.5	40.0	40.6	41.0	41.6	42.1	42.7	43.1	43.7
6	38.0	38.6	39.1	39.7	40.1	40.7	41.2	41.8	42.2	42.8	43.3	43.9

	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I
F.I.Parts	3.6½	3.7	3.7½	3.8	3.8½	3.9	3.9½	3.10	3.10½	3.11	3.11½	4.0
9.2½	32.7	33.0	33.5	33.9	34.2	34.6	34.11	35.4	35.8	36.1	36.5	36.10
3	32.9	33.2	33.6	33.11	34.4	34.8	35.1	35.6	35.10	36.3	36.7	37.0
3½	32.11	33.4	33.8	34.1	34.5	34.10	35.3	35.7	36.0	36.5	36.9	37.2
4	33.1	33.5	33.10	34.3	34.7	35.0	35.5	35.9	36.2	36.7	36.11	37.4
9.4½	33.2	33.7	34.0	34.4	34.9	35.2	35.7	35.11	36.4	36.9	37.1	37.6
5	33.4	33.9	34.2	34.6	34.11	35.4	35.8	36.1	36.6	36.11	37.3	37.8
5½	33.6	33.11	34.3	34.8	35.1	35.6	35.10	36.3	36.8	37.1	37.5	37.10
6	33.8	34.0	34.5	34.10	35.3	35.7	36.0	36.5	36.10	37.2	37.7	38.0
9.6½	33.10	34.2	34.7	35.0	35.5	35.9	36.2	36.7	37.0	37.4	37.9	38.2
7	33.11	34.4	34.9	35.2	35.6	35.11	36.4	36.10	37.2	37.6	37.11	38.4
7½	34.1	34.6	34.11	35.3	35.8	36.1	36.6	36.11	37.4	37.8	38.1	38.6
8	34.3	34.8	35.0	35.5	35.10	36.3	36.8	37.1	37.5	37.10	38.3	38.8
9.8½	34.5	34.9	35.2	35.7	36.0	36.5	36.10	37.3	37.7	38.0	38.5	38.10
9	34.6	34.11	35.4	35.9	36.2	36.7	37.0	37.4	37.9	38.2	38.7	39.0
9½	34.8	35.1	35.6	35.11	36.4	36.9	37.2	37.6	37.11	38.4	38.9	39.2
10	34.10	35.3	35.8	36.1	36.6	36.10	37.3	37.8	38.1	38.6	38.11	39.4
9.10½	35.0	35.5	35.10	36.2	36.7	37.0	37.5	37.10	38.3	38.8	39.1	39.6
11	35.1	35.6	35.11	36.4	36.9	37.2	37.7	38.0	38.5	38.10	39.3	39.8
11½	35.3	35.8	36.1	36.6	36.11	37.4	37.9	38.2	38.7	39.0	39.5	39.10
10.0	35.5	35.10	36.3	36.8	37.1	37.6	37.11	38.4	38.9	39.2	39.7	40.0
10.0½	35.7	36.0	36.5	36.10	37.3	37.8	38.1	38.6	38.11	39.4	39.9	40.2
1	35.9	36.2	36.7	37.0	37.5	37.10	38.3	38.8	39.1	39.6	39.11	40.4
1½	35.10	36.3	36.8	37.1	37.7	38.0	38.5	38.10	39.3	39.8	40.1	40.6
2	36.0	36.5	36.10	37.3	37.8	38.1	38.7	39.0	39.5	39.10	40.3	40.8
10.2½	36.2	36.7	37.0	37.5	37.10	38.3	38.8	39.2	39.7	40.0	40.5	40.10
3	36.4	36.8	37.2	37.7	38.0	38.5	38.10	39.3	39.9	40.2	40.7	41.0
3½	36.5	36.10	37.4	37.9	38.2	38.7	39.0	39.5	39.11	40.4	40.9	41.2
4	36.7	37.0	37.5	37.11	38.4	38.9	39.2	39.7	40.0	40.6	40.11	41.4
10.4½	36.9	37.2	37.7	38.0	38.6	38.11	39.4	39.9	40.2	40.8	41.1	41.6
5	36.11	37.4	37.9	38.2	38.8	39.1	39.6	39.11	40.4	40.10	41.3	41.8
5½	37.0	37.6	37.11	38.4	38.9	39.3	39.8	40.1	40.6	41.0	41.5	41.10
6	37.2	37.7	38.1	38.6	38.11	39.4	39.10	40.3	40.8	41.1	41.7	42.0
10.6½	37.4	37.9	38.3	38.8	39.1	39.6	40.0	40.5	40.10	41.3	41.9	42.2
7	37.6	37.11	38.4	38.10	39.3	39.8	40.2	40.7	41.0	41.5	41.11	42.4
7½	37.8	38.1	38.6	38.11	39.4	39.10	40.3	40.9	41.3	41.7	42.1	42.6
8	37.9	38.3	38.8	39.1	39.7	40.0	40.5	40.11	41.4	41.9	42.3	42.8
10.8½	37.11	38.4	38.10	39.3	39.9	40.2	40.7	41.1	41.6	41.11	42.5	42.10
9	38.1	38.6	39.0	39.5	39.10	40.4	40.9	41.2	41.8	42.1	42.7	43.0
9½	38.3	38.8	39.1	39.7	40.0	40.5	40.11	41.4	41.10	42.3	42.9	43.2
10	38.4	38.10	39.3	39.9	40.2	40.7	41.1	41.6	42.0	42.5	42.11	43.4
10.10½	38.6	39.0	39.5	39.11	40.4	40.9	41.3	41.8	42.2	42.7	43.1	43.6
11	38.8	39.1	39.7	40.0	40.6	40.11	41.5	41.10	42.4	42.9	43.3	43.8
11½	38.10	39.3	39.9	40.2	40.8	41.1	41.7	42.0	42.6	42.11	43.5	43.10
11.0	38.11	39.5	39.10	40.4	40.9	41.3	41.8	42.2	42.7	43.1	43.6	44.0
11.0½	39.1	39.7	40.0	40.6	40.11	41.5	41.10	42.4	42.9	43.3	43.8	44.2
1	39.3	39.9	40.2	40.8	41.1	41.7	42.0	42.6	43.0	43.5	43.10	44.4
1½	39.5	39.10	40.4	40.9	41.3	41.9	42.2	42.8	43.1	43.7	44.0	44.6
2	39.7	40.0	40.6	40.11	41.5	41.10	42.4	42.10	43.3	43.9	44.2	44.8
11.2½	39.8	40.2	40.8	41.1	41.7	42.0	42.6	43.0	43.5	43.11	44.4	44.10
3	39.10	40.4	40.9	41.3	41.9	42.2	42.8	43.1	43.7	44.1	44.6	45.0
3½	40.0	40.6	40.11	41.5	41.10	42.4	42.10	43.3	43.9	44.3	44.8	45.2
4	40.2	40.7	41.1	41.7	42.0	42.6	43.0	43.5	43.11	44.5	44.10	45.4
11.4½	40.3	40.9	41.3	41.8	42.2	42.8	43.2	43.7	44.1	44.7	45.0	45.6
5	40.5	40.11	41.5	41.10	42.4	42.10	43.3	43.9	44.3	44.9	45.2	45.8
5½	40.7	41.1	41.6	42.0	42.6	43.0	43.5	43.11	44.5	44.11	45.4	45.10
6	40.9	41.2	41.8	42.2	42.8	43.1	43.7	44.1	44.7	45.0	45.6	46.0
11.6½	40.11	41.4	41.10	42.4	42.10	43.3	43.9	44.3	44.9	45.2	45.8	46.2
7	41.0	41.6	42.0	42.6	42.11	43.5	43.11	44.5	44.11	45.4	45.10	46.4
7½	41.2	41.8	42.2	42.7	43.1	43.7	44.1	44.7	45.1	45.6	46.0	46.6
8	41.4	41.10	42.3	42.9	43.3	43.9	44.3	44.9	45.2	45.8	46.2	46.8
11.8½	41.6	41.11	42.5	42.11	43.5	43.11	44.5	44.11	45.4	45.10	46.4	46.10
9	41.7	42.1	42.7	43.1	43.7	44.1	44.7	45.0	45.6	46.0	46.6	47.0
9½	41.9	42.3	42.9	43.3	43.9	44.3	44.9	45.2	45.8	46.0	46.8	47.2
10	41.11	42.5	42.11	43.5	43.11	44.4	44.10	45.4	45.10	46.4	46.10	47.4
11.10½	42.1	42.7	43.1	43.6	44.0	44.6	45.0	45.6	46.0	46.6	47.0	47.6
11	42.2	42.8	43.2	43.8	44.0	44.8	45.2	45.8	46.2	46.8	47.2	47.8
11½	42.4	42.9	43.4	43.10	44.4	44.10	45.4	45.10	46.4	46.10	47.4	47.10
12.0	42.6	43.0	43.6	44.0	44.6	45.0	45.6	46.0	46.6	47.0	47.6	48.0
12.0½	42.8	43.2	43.8	44.2	44.8	45.2	45.8	46.2	46.8	47.2	47.8	48.2
1	42.10	43.4	43.10	44.4	44.10	45.4	45.10	46.4	46.10	47.4	47.10	48.4
1½	42.11	43.5	44.0	44.5	45.0	45.6	46.0	46.6	47.0	47.6	48.0	48.6
2	43.1	43.7	44.1	44.7	45.1	45.7	46.2	46.8	47.2	47.8	48.2	48.8
12.2½	43.3	43.9	44.3	44.9	45.3	45.9	46.3	46.10	47.4	47.10	48.4	48.10
3	43.5	43.11	44.5	44.11	45.5	45.11	46.5	46.11	47.6	48.0	48.6	49.0
3½	43.6	44.1	44.7	45.1	45.7	46.1	46.7	47.1	47.8	48.2	48.8	49.2
4	43.8	44.2	44.8	45.3	45.9	46.3	46.9	47.3	47.9	48.4	48.10	49.4
12.4½	43.10	44.4	44.10	45.4	45.11	46.5	46.11	47.5	47.11	48.6	49.0	49.6
5	44.0	44.6	45.0	45.6	46.0	46.7	47.1	47.7	48.1	48.8	49.2	49.8
5½	44.1	44.8	45.2	45.8	46.2	46.9	47.3	47.9	48.3	48.10	49.4	49.10
6	44.3	44.9	45.4	45.10	46.4	46.10	47.5	47.11	48.5	48.11	49.6	50.0



from 4 foot and ½ an inch by 4 foot and ½ an inch to 5 foot by 5 foot.

	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I
	4.0½	4.1	4.1½	4.2	4.2½	4.3	4.3½	4.4	4.4½	4.5	4.5½	4.6	4.6½	4.7	4.7½	4.8	4.8½	4.9	4.9½	4.10	4.10½	4.11	4.11½	5.0
4.0½	16.4																							
1	16.6	16.8																						
1½	16.8	16.10	17.0																					
2	16.10	17.0	17.2	17.4																				
4.2½	17.0	17.2	17.4	17.6	17.9																			
3	17.2	17.4	17.6	17.8	17.11	18.1																		
3½	17.4	17.6	17.8	17.11	18.1	18.3	18.5																	
4	17.6	17.8	17.10	18.1	18.3	18.5	18.7	18.9																
4.4½	17.8	17.10	18.1	18.3	18.5	18.7	18.9	18.11	19.2															
5	17.10	18.0	18.3	18.5	18.7	18.9	18.11	19.2	19.4	19.6														
5½	18.0	18.2	18.5	18.7	18.9	18.11	19.2	19.4	19.6	19.8	19.11													
6	18.2	18.4	18.7	18.9	18.11	19.1	19.4	19.6	19.8	19.10	20.1	20.3												
4.6½	18.4	18.7	18.9	18.11	19.1	19.4	19.6	19.8	19.10	20.0	20.3	20.5	20.8											
7	18.6	18.9	18.11	19.1	19.3	19.6	19.8	19.10	20.1	20.3	20.5	20.7	20.10	21.0										
7½	18.8	18.11	19.1	19.3	19.6	19.8	19.10	20.0	20.3	20.5	20.7	20.10	21.0	21.2	21.5									
8	18.10	19.1	19.3	19.5	19.8	19.10	20.0	20.3	20.5	20.7	20.10	21.0	21.2	21.5	21.7	21.9								
4.8½	19.0	19.3	19.5	19.7	19.10	20.0	20.2	20.5	20.7	20.10	21.0	21.2	21.5	21.7	21.9	22.0	22.2							
9	19.2	19.5	19.7	19.9	20.0	20.2	20.5	20.7	20.9	21.0	21.2	21.4	21.7	21.9	22.0	22.2	22.4	22.7						
9½	19.4	19.7	19.9	20.0	20.2	20.4	20.7	20.9	21.0	21.2	21.4	21.7	21.9	22.0	22.2	22.5	22.7	22.9	23.0					
10	19.6	19.9	19.11	20.2	20.4	20.6	20.9	20.11	21.2	21.4	21.7	21.9	21.11	22.2	22.4	22.7	22.9	22.11	23.2	23.4				
4.10½	19.8	19.11	20.1	20.4	20.6	20.9	20.11	21.1	21.4	21.6	21.9	21.11	22.2	22.4	22.7	22.9	22.11	23.2	23.4	23.7	23.9			
11	19.10	20.1	20.3	20.6	20.8	20.11	21.1	21.4	21.6	21.9	21.11	22.1	22.4	22.6	22.9	22.11	23.2	23.4	23.7	23.9	24.0	24.2		
11½	20.0	20.3	20.5	20.8	20.10	21.1	21.3	21.6	21.8	21.11	22.1	22.4	22.6	22.9	22.11	23.2	23.4	23.7	23.9	24.0	24.2	24.5	24.7	
5.0	20.2	20.5	20.7	20.10	21.0	21.3	21.5	21.8	21.10	22.1	22.3	22.6	22.8	22.11	23.1	23.4	23.6	23.9	23.11	24.2	24.4	24.7	24.9	25.0

A TABLE OF FEET AND INCHES

from 5 foot and half an inch by 4 foot and half an inch to 10 foot by 5 foot.

	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I
F.I. Parts	4.0½	4.1	4.1½	4.2	4.2½	4.3	4.3½	4.4	4.4½	4.5	4.5½	4.6	4.6½	4.7	4.7½	4.8	4.8½	4.9	4.9½	4.10	4.10½	4.11	4.11½	5.0
5.0½	20.4	20.7	20.10	21.0	21.3	21.5	21.8	21.10	22.1	22.3	22.6	22.8	22.11	23.1	23.4	23.6	23.9	23.11	24.2	24.4	24.7	24.9	25.0	25.2
1	20.7	20.9	21.0	21.2	21.5	21.7	21.10	22.0	22.3	22.5	22.8	22.10	23.1	23.4	23.6	23.9	23.11	24.2	24.4	24.7	24.9	25.0	25.2	25.5
1½	20.9	20.11	21.2	21.4	21.7	21.9	22.0	22.2	22.5	22.8	22.10	23.1	23.3	23.6	23.8	23.11	24.2	24.4	24.7	24.9	25.0	25.2	25.5	25.7
2	20.11	21.1	21.4	21.6	21.9	21.11	22.1	22.5	22.7	22.10	23.0	23.3	23.6	23.8	23.11	24.1	24.4	24.6	24.9	25.0	25.2	25.5	25.7	25.10
5.2½	21.1	21.3	21.6	21.8	21.11	22.2	22.4	22.7	22.9	23.0	23.3	23.5	23.8	23.10	24.1	24.4	24.6	24.9	25.0	25.2	25.4	25.7	25.10	26.0
3	21.3	21.5	21.8	21.10	22.1	22.4	22.6	22.9	23.0	23.2	23.5	23.7	23.10	24.1	24.3	24.6	24.9	24.11	25.2	25.4	25.7	25.10	26.0	26.3
3½	21.5	21.7	21.10	22.1	22.3	22.6	22.9	22.11	23.2	23.4	23.7	23.10	24.0	24.3	24.6	24.8	24.11	25.2	25.4	25.7	25.9	26.0	26.3	26.5
4	21.7	21.9	22.0	22.3	22.5	22.8	22.11	23.1	23.4	23.7	23.9	24.0	24.3	24.5	24.8	24.11	25.1	25.4	25.7	25.9	26.0	26.3	26.5	26.8
5.4½	21.9	21.11	22.2	22.5	22.7	22.10	23.1	23.3	23.6	23.9	23.11	24.2	24.5	24.8	24.10	25.2	25.4	25.6	25.9	26.0	26.2	26.5	26.8	26.10
5	21.11	22.1	22.4	22.7	22.10	23.0	23.3	23.6	23.8	23.11	24.2	24.4	24.7	24.10	25.1	25.4	25.6	25.9	25.11	26.2	26.5	26.8	26.10	27.1
5½	22.1	22.3	22.6	22.9	23.0	23.3	23.5	23.8	23.11	24.1	24.4	24.7	24.9	25.0	25.3	25.7	25.8	25.11	26.2	26.5	26.7	26.10	27.1	27.3
6	22.3	22.5	22.8	22.11	23.2	23.4	23.7	23.10	24.1	24.3	24.6	24.9	25.0	25.2	25.5	25.8	25.11	26.1	26.4	26.7	26.10	27.0	27.3	27.6
5.6½	22.5	22.8	22.10	23.1	23.4	23.7	23.9	24.0	24.3	24.6	24.8	24.11	25.2	25.5	25.8	25.10	26.1	26.4	26.7	26.9	27.0	27.3	27.6	27.8
7	22.7	22.10	23.0	23.3	23.6	23.9	24.0	24.2	24.5	24.8	24.11	25.1	25.4	25.7	25.10	26.1	26.3	26.6	26.9	27.0	27.3	27.5	27.8	27.11
7½	22.9	23.0	23.2	23.5	23.8	23.11	24.2	24.4	24.7	24.10	25.1	25.4	25.7	25.9	26.0	26.3	26.6	26.9	26.11	27.2	27.5	27.8	27.11	28.1
8	22.11	23.2	23.4	23.7	23.10	24.1	24.4	24.7	24.9	25.0	25.3	25.6	25.9	26.0	26.2	26.5	26.8	26.11	27.2	27.5	27.7	27.10	28.1	28.4
5.8½	23.1	23.4	23.7	23.9	24.0	24.3	24.6	24.9	25.0	25.3	25.5	25.8	25.11	26.2	26.5	26.8	26.11	27.1	27.4	27.7	27.9	28.1	28.4	28.6
9	23.3	23.6	23.9	23.11	24.2	24.5	24.8	24.11	25.2	25.5	25.8	25.10	26.1	26.4	26.7	26.10	27.1	27.4	27.7	27.9	27.11	28.3	28.6	28.9
9½	23.5	23.8	23.11	24.2	24.4	24.7	24.10	25.1	25.4	25.7	25.10	26.1	26.4	26.7	26.9	27.0	27.3	27.6	27.9	28.0	28.2	28.6	28.9	28.11
10	23.7	23.10	24.1	24.4	24.7	24.9	25.0	25.3	25.6	25.9	26.0	26.3	26.6	26.9	27.0	27.2	27.6	27.8	27.11	28.2	28.5	28.8	28.11	29.2
5.10½	23.9	24.0	24.3	24.6	24.9	25.0	25.3	25.5	25.8	25.11	26.2	26.5	26.8	26.11	27.2	27.4	27.7	27.11	28.2	28.5	28.8	28.11	29.2	29.4
11	23.11	24.2	24.5	24.8	24.11	25.2	25.5	25.8	25.11	26.2	26.5	26.7	26.10	27.1	27.4	27.6	27.9	28.1	28.4	28.7	28.10	29.1	29.4	29.7
11½	24.1	24.4	24.7	24.10	25.1	25.4	25.7	25.10	26.1	26.4	26.7	26.10	27.1	27.4	27.7	27.9	28.0	28.4	28.7	28.10	29.1	29.4	29.7	29.9
6.0	24.3	24.6	24.9	25.0	25.3	25.6	25.9	26.0	26.3	26.6	26.9	27.0	27.3	27.6	27.9	28.0	28.3	28.6	28.9	29.0	29.3	29.6	29.9	30.0
6.0½	24.5	24.8	24.11	25.2	25.5	25.8	25.10	26.2	26.5	26.8	26.11	27.2	27.5	27.8	27.11	28.2	28.5	28.8	28.11	29.2	29.5	29.8	29.11	30.2
1	24.7	24.10	25.1	25.4	25.7	25.10	26.1	26.4	26.7	26.10	27.1	27.4	27.8	27.11	28.2	28.5	28.8	28.11	29.2	29.5	29.8	29.11	30.2	30.5
1½	24.9	25.0	25.3	25.6	25.9	26.0	26.3	26.7	26.10	27.1	27.4	27.7	27.10	28.1	28.4	28.7	28.10	29.1	29.4	29.7	29.10	30.1	30.4	30.7
2	24.11	25.2	25.5	25.8	25.11	26.2	26.6	26.9	27.0	27.3	27.6	27.9	28.0	28.3	28.6	28.9	29.0	29.3	29.7	29.10	30.1	30.4	30.7	30.10
6.2½	25.1	25.4	25.7	25.10	26.2	26.5	26.8	26.11	27.2	27.5	27.8	27.11	28.2	28.5	28.9	29.0	29.3	29.6	29.9	30.0	30.3	30.6	30.9	31.0
3	25.3	25.6	25.9	26.0	26.4	26.7	26.10	27.1	27.4	27.7	27.10	28.1	28.5	28.8	28.11	29.2	29.5	29.8	29.11	30.2	30.6	30.9	31.0	31.3
3½	25.5	25.8	25.11	26.3	26.6	26.9	27.0	27.3	27.6	27.9	28.1	28.4	28.7	28.10	29.1	29.4	29.7	29.11	30.2	30.5	30.8	30.11	31.2	31.5
4	25.7	25.10	26.1	26.5	26.8	26.11	27.2	27.5	27.8	28.0	28.3	28.6	28.9	29.0	29.3	29.7	29.10	30.1	30.4	30.7	30.10	31.2	31.5	31.8
6.4½	25.9	26.0	26.4	26.7	26.10	27.1	27.4	27.7	27.11	28.2	28.5	28.8	28.11	29.3	29.6	29.9	30.0	30.3	30.7	30.10	31.1	31.4	31.7	31.10
5	25.11	26.2	26.6	26.9	27.0	27.3	27.6	27.10	28.1	28.3	28.7	28.10	29.2	29.5	29.8	29.11	30.3	30.6	30.9	31.0	31.3	31.7	31.10	32.1
5½	26.1	26.4	26.8	26.11	27.2	27.5	27.9	28.0	28.3	28.5	28.10	29.1	29.4	29.7	29.10	30.2	30.5	30.8	30.11	31.3	31.6	31.9	32.0	32.3
6	26.3	26.7	26.10	27.0	27.4	27.7	27.11	28.2	28.5	28.8	29.0	29.3	29.6	29.9	30.1	30.5	30.7	30.10	31.2	31.5	31.8	31.11	32.3	32.6
6.6½	26.5	26.9	27.0	27.3	27.6	27.10	28.1	28.4	28.7	28.11	29.2	29.5	29.9	30.0	30.3	30.6	30.10	31.1	31.4	31.7	31.11	32.2	32.5	32.8
7	26.7	26.11	27.2	27.5	27.8	28.0	28.3	28.6	28.10	29.1	29.4	29.7	29.11	30.2	30.5	30.9	31.0	31.3	31.7	31.10	32.1	32.4	32.8	32.11
7½	26.9	27.1	27.4	27.7	27.11	28.2	28.5	28.8	29.0	29.3	29.6	29.10	30.1	30.4	30.8	30.11	31.2	31.6	31.9	32.0	32.4	32.7	32.10	33.1
8	26.11	27.3	27.6	27.9	28.1	28.4	28.7	28.11	29.2	29.5	29.9	30.0	30.3	30.7	30.10	31.1	31.5	31.8	31.11	32.3	32.6	32.9	33.1	33.4
6.8½	27.1	27.5	27.8	27.11	28.3	28.6	28.9	29.1	29.4	29.8	29.11	30.2	30.6	30.9	31.0	31.4	31.7	31.10	32.2	32.5	32.8	33.0	33.3	33.6
9	27.3	27.7	27.10	28.1	28.5	28.8	29.0	29.3	29.6	29.10	30.1	30.4	30.8	30.11	31.3	31.6	31.9	32.1	32.4	32.7	32.11	33.2	33.6	33.9
9½	27.5	27.9	28.0	28.4	28.7	28.10	29.2	29.5	29.9	30.0	30.3	30.7	30.10	31.2	31.5	31.8	32.0	32.3	32.7	32.10	33.1	33.5	33.8	33.11
10	27.7	27.11	28.2	28.6	28.8	29.0	29.4	29.7	29.11	30.2	30.6	30.9	31.0	31.4	31.7	31.11	32.2	32.5	32.9	33.0	33.4	33.7	33.11	34.2
6.10½	27.9	28.1	28.4	28.8	28.11	29.3	29.6	29.10	30.1	30.4	30.8	30.11	31.3	31.6	31.10	32.1	32.4	32.8	32.11	33.3	33.6	33.10	34.1	34.4
11	27.11	28.3	28.6	28.10	29.1	29.5	29.8	30.0	30.3	30.7	30.10	31.1	31.5	31.8	32.0	32.3	32.7	32.10	33.2	33.5	33.9	34.0	34.4	34.7
11½	28.1	28.5	28.8	29.0	29.3	29.7	29.10	30.2	30.5	30.9	31.0	31.4	31.7	31.11	32.2	32.6	32.9	33.1	33.4	33.8	33.11	34.3	34.6	34.9
7.0	28.3	28.7	28.10	29.2	29.5	29.9	30.0	30.4	30.7	30.11	31.2	31.6	31.9	32.1	32.4	32.8	32.11	33.3	33.6	33.10	34.1	34.5	34.8	35.0
7.0½	28.6	28.9	29.1	29.4	29.8	29.11	30.3	30.6	30.10	31.1	31.5	31.8	32.0	32.3	32.7	32.10	33.2	33.5	33.9	34.0	34.4	34.7	34.11	35.2
1	28.8	28.11	29.3	29.6	29.10	30.1	30.5	30.8	31.0	31.3	31.7	31.10	32.2	32.6	32.9	33.1	33.4	33.8	33.11	34.3	34.6	34.10	35.1	35.5
1½	28.10	29.1	29.5	29.8	30.0	30.3	30.7	30.10	31.2	31.6	31.9	32.1	32.4	32.8	32.11	33.3	33.7	33.10	34.1	34.5	34.9	35.0	35.4	35.7
2	29.0	29.3	29.7	29.10	30.2	30.5	30.9	31.1	31.4	31.8	31.11	32.3	32.7	32.10	33.2	33.5	33.9	34.0	34.3	34.8	34.11	35.3	35.6	35.10
7.2½	29.2	29.5	29.9	30.0	30.4	30.8	30.11	31.3	31.6	31.10	32.2	32.5	32.9	33.0	33.4	33.8	33.11	34.3	34.6	34.10	35.2	35.5	35.9	36.0
3	29.4	29.7	29.11	30.2	30.6	30.10	31.1	31.5	31.9	32.0	32.4	32.7	32.11	33.2	33.6	33.10	34.2	34.5	34.9	35.0	35.4	35.8	35.11	36.3
3½	29.6	29.9	30.1	30.4	30.8	31.0	31.4	31.7	31.11	32.2	32.6	32.10	33.1	33.5	33.9	34.0	34.4	34.8	34.11	35.3	35.7	35.10	36.2	36.5
4	29.8	29.11	30.3	30.6	30.10	31.2	31.6	31.9	32.1	32.5	32.8	33.0	33.4	33.7	33.11	34.3	34.6	34.10	35.2	35.5	35.9	36.1	36.4	36.8
7.4½	29.10	30.1	30.5	30.9	31.0	31.4	31.8	31.11	32.3	32.7	32.11	33.2	33.6	33.10	34.1	34.5	34.9	35.0	35.4	35.8	35.11	36.3	36.7	36.10
5	30.0	30.3	30.7	30.11	31.2	31.6	31.10	32.2	32.5	32.9	33.1	33.4	33.8	34.0	34.4	34.7	34.11	35.3	35.6	35.10	36.2	36.6	36.9	37.1
5½	30.2	30.5	30.9	31.1	31.5	31.8	32.0	32.4	32.8	32.11	33.3	33.7	33.10	34.2	34.6	34.10	35.1	35.5	35.9	36.1	36.4	36.8	37.0	37.3
6	30.4	30.7	30.11	31.3	31.7	31.10	32.2	32.6	32.10	33.1	33.5	33.9	34.1	34.4	34.8	35.0	35.4	35.7	35.11	36.3	36.7	36.10	37.2	37.6
7.6½	30.6	30.10	31.1	31.5	31.9	32.0	32.4	32.8	33.0	33.4	33.7	33.11	34.3	34.7	34.11	35.2	35.6	35.10	36.2	36.5	36.9	37.1	37.5	37.8
7	30.8	31.0	31.3	31.7	31.11	32.3	32.7	32.10	33.2	33.6	33.10	34.1	34.5	34.9	35.1	35.5	35.8	36.0	36.4	36.8	37.0	37.3	37.7	37.11
7½	30.10	31.2	31.5	31.9	32.1	32.5	32.9	33.0	33.4	33.8	34.0	34.4	34.8	34.11	35.3	35.7	35.11	36.3	36.6	36.10	37.2	37.6	37.10	38.1
8	31.0	31.4	31.7	31.11	32.3	32.7	32.11	33.3	33.6	33.10	34.2	34.6	34.10	35.2	35.5	35.9	36.1	36.5	36.9	37.1	37.4	37.8	38.0	38.4
7.8½	31.2	31.6	31.10	32.0	32.5	32.9	33.1	33.5	33.9	34.1	34.4	34.8	35.0	35.4	35.8	36.0	36.4	36.7	36.11	37.3	37.7	37.11	38.3	38.6
9	31.4	31.8	32.0	32.3	32.7	32.11	33.3	33.7	33.11	34.3	34.7	34.10	35.2	35.6	35.10	36.2	36.6	36.10	37.2	37.5	37.9	38.1	38.5	38.9
9½	31.6	31.10	32.2	32.5	32.9	33.1	33.5	33.9	34.1	34.5	34.9	35.1	35.5	35.9	36.0	36.4	36.8	37.0	37.4	37.8	38.0	38.4	38.8	38.11
10	31.8	32.0	32.4	32.8	33.0	33.3	33.7	33.11	34.3	34.7	34.11	35.3	35.7	35.11	36.3	36.7	36.11	37.2	37.6	37.10	38.2	38.6	38.10	39.2
7.10½	31.10	32.2	32.6	32.10	33.2	33.6	33.10	34.1	34.5	34.9	35.1	35.5	35.9	36.1	36.5	36.9	37.1	37.5	37.9	38.1	38.5	38.9	39.1	39.4
11	32.0	32.4	32.8	33.0	33.4	33.8	34.0	34.4	34.8	35.0	35.4	35.7	36.0	36.3	36.7	36.11	37.3	37.7	37.11	38.3	38.7	38.11	39.3	39.7
11½	32.2	32.6	32.10	33.2	33.6	33.10	34.2	34.6	34.10	35.2	35.6	35.10	36.2	36.6	36.10	37.2	37.6	37.10	38.2	38.6	38.10	39.2	39.5	39.9
8.0	32.4	32.8	33.0	33.4	33.8	34.0	34.4	34.8	35.0	35.4	35.8	36.0	36.4	36.8	37.0	37.4	37.8	38.0	38.4	38.8	39.0	39.4	39.8	40.0
8.0½	32.6	32.10	33.2	33.6	33.10	34.2	34.6	34.10	35.2	35.6	35.10	36.2	36.6	36.10	37.2	37.6	37.10	38.2	38.6	38.10	39.2	39.6	39.10	40.2
1	32.8	33.0	33.4	33.8	34.0	34.4	34.8	35.0	35.4	35.8	36.0	36.4	36.9	37.1	37.4	37.9	38.1	38.5	38.9	39.1	39.4	39.9	40.1	40.5
1½	32.10	33.2	33.6	33.10	34.2	34.6	34.10	35.2	35.7	35.11	36.3	36.7	36.11	37.3	37.7	37.11	38.3	38.7	38.11	39.3	39.7	39.11	40.3	40.7
2	33.0	33.4	33.8	34.0	34.4	34.8	35.1	35.5	35.9	36.1	36.5	36.9	37.1	37.5	37.9	38.1	38.5	38.9	39.2	39.6	39.10	40.2	40.6	40.10
8.2½	33.2	33.6	33.10	34.2	34.7	34.11	35.3	35.7	35.11	36.3	36.7	36.11	37.3	37.7	38.0	38.4	38.8	39.0	39.4	39.8	40.0	40.4	40.8	41.0
3	33.4	33.8	34.0	34.4	34.9	35.1	35.5	35.9	36.1	36.5	36.9	37.1	37.6	37.10	38.2	38.6	38.10	39.2	39.6	39.10	40.3	40.7	40.11	41.3
3½	33.6	33.10	34.2	34.7	34.11	35.3	35.7	35.11	36.3	36.7	37.0	37.4	37.8	38.0	38.4	38.8	39.0	39.5	39.9	40.1	40.5	40.9	41.1	41.5
4	33.8	34.0	34.4	34.9	35.1	35.5	35.9	36.1	36.5	36.10	37.2	37.6	37.10	38.2	38.6	38.11	39.3	39.7	39.11	40.3	40.7	41.0	41.4	41.8
8.4½	33.10	34.2	34.7	34.11	35.3	35.7	35.11	36.3	36.8	37.0	37.4	37.8	38.0	38.5	38.9	39.1	39.5	39.9	40.2	40.6	40.10	41.2	41.6	41.10
5	34.0	34.4	34.9	35.1	35.5	35.9	36.1	36.6	36.10	37.2	37.6	37.10	38.3	38.7	38.11	39.3	39.8	40.0	40.4	40.8	41.0	41.5	41.9	42.1
5½	34.2	34.6	34.10	35.3	35.7	35.11	36.4	36.8	37.0	37.4	37.9	38.1	38.5	38.9	39.1	39.6	39.10	40.2	40.6	40.11	41.3	41.7	41.11	42.3
6	34.4	34.8	35.1	35.5	35.9	36.1	36.6	36.10	37.2	37.6	37.11	38.3	38.7	38.11	39.4	39.8	40.0	40.4	40.9	41.1	41.5	41.9	42.2	42.6
8.6½	34.6	34.11	35.3	35.7	35.11	36.4	36.8	37.0	37.4	37.9	38.1	38.5	38.10	39.2	39.6	39.10	40.3	40.7	40.11	41.3	41.8	42.0	42.4	42.8
7	34.8	35.1	35.5	35.9	36.1	36.6	36.10	37.2	37.7	37.11	38.3	38.7	39.0	39.4	39.8	40.1	40.5	40.9	41.2	41.6	41.10	42.2	42.7	42.11
7½	34.10	35.3	35.7	35.11	36.4	36.8	37.0	37.4	37.9	38.1	38.5	38.10	39.2	39.6	39.11	40.3	40.7	41.0	41.4	41.8	42.1	42.5	42.9	43.1
8	35.0	35.5	35.9	36.1	36.6	36.10	37.2	37.7	37.11	38.3	38.8	39.0	39.4	39.9	40.1	40.5	40.10	41.2	41.6	41.11	42.3	42.7	42.11	43.4
8.8½	35.2	35.7	35.11	36.3	36.8	37.0	37.4	37.9	38.1	38.6	38.10	39.2	39.7	39.11	40.3	40.8	41.0	41.4	41.9	42.1	42.6	42.10	43.2	43.6
9	35.4	35.9	36.1	36.5	36.10	37.2	37.7	37.11	38.3	38.8	39.0	39.4	39.9	40.1	40.6	40.10	41.2	41.7	41.11	42.3	42.8	43.0	43.5	43.9
9½	35.6	35.11	36.3	36.8	37.0	37.4	37.9	38.1	38.5	38.10	39.2	39.7	39.11	40.4	40.8	41.0	41.5	41.9	42.2	42.6	42.10	43.3	43.7	43.11
10	35.8	36.1	36.5	36.10	37.2	37.6	37.11	38.3	38.8	39.0	39.5	39.9	40.1	40.6	40.10	41.3	41.7	41.11	42.4	42.8	43.1	43.5	43.10	44.2
8.10½	35.10	36.3	36.7	37.0	37.4	37.9	38.1	38.5	38.10	39.2	39.7	39.11	40.4	40.8	41.1	41.5	41.9	42.2	42.6	42.11	43.3	43.8	44.0	44.4
11	36.0	36.5	36.9	37.2	37.6	37.11	38.3	38.8	39.0	39.5	39.10	40.1	40.6	40.10	41.3	41.7	42.0	42.4	42.9	43.1	43.6	43.10	44.3	44.7
11½	36.2	36.7	36.11	37.4	37.8	38.1	38.5	38.10	39.2	39.7	39.11	40.4	40.8	41.1	41.5	41.10	42.2	42.7	42.11	43.4	43.8	44.0	44.5	44.9
9.0	36.4	36.9	37.1	37.6	37.10	38.3	38.7	39.0	39.4	39.9	40.1	40.6	40.10	41.3	41.7	42.0	42.4	42.9	43.1	43.6	43.10	44.3	44.7	45.0
9.0½	36.7	36.11	37.4	37.8	38.1	38.5	38.10	39.2	39.7	39.11	40.4	40.8	41.1	41.5	41.10	42.2	42.7	42.11	43.4	43.8	44.1	44.5	44.10	45.2
1	36.9	37.1	37.6	37.10	38.3	38.7	39.0	39.4	39.9	40.1	40.6	40.10	41.3	41.8	42.0	42.5	42.9	43.2	43.6	43.11	44.3	44.8	45.0	45.5
1½	36.11	37.3	37.8	38.0	38.5	38.9	39.2	39.6	39.11	40.4	40.8	41.1	41.5	41.10	42.2	42.7	43.0	43.4	43.9	44.1	44.6	44.10	45.3	45.7
2	37.1	37.5	37.10	38.2	38.7	38.11	39.4	39.9	40.1	40.6	40.10	41.3	41.8	42.0	42.5	42.9	43.2	43.6	43.11	44.4	44.8	45.1	45.5	45.10
9.2½	37.3	37.7	38.0	38.4	38.9	39.2	39.6	39.11	40.3	40.8	41.1	41.5	41.10	42.2	42.7	43.0	43.4	43.9	44.1	44.6	44.11	45.3	45.8	46.0
3	37.5	37.9	38.2	38.6	38.11	39.4	39.8	40.1	40.6	40.10	41.3	41.7	42.0	42.5	42.9	43.2	43.7	43.11	44.4	44.8	45.1	45.6	45.10	46.3
3½	37.7	37.11	38.4	38.9	39.1	39.6	39.11	40.3	40.8	41.0	41.5	41.10	42.2	42.7	43.0	43.4	43.9	44.2	44.6	44.11	45.4	45.8	46.1	46.5
4	37.9	38.1	38.6	38.11	39.3	39.8	40.1	40.5	40.10	41.3	41.7	42.0	42.5	42.9	43.2	43.7	43.11	44.4	44.9	45.1	45.6	45.11	46.3	46.8
9.4½	37.11	38.3	38.9	39.1	39.5	39.10	40.3	40.7	41.0	41.5	41.10	42.2	42.7	43.0	43.4	43.9	44.2	44.6	44.11	45.4	45.8	46.1	46.6	46.10
5	38.1	38.5	38.10	39.3	39.8	40.0	40.5	40.10	41.2	41.7	42.0	42.4	42.9	43.2	43.7	43.11	44.4	44.9	45.1	45.6	45.11	46.4	46.8	47.1
5½	38.3	38.7	39.0	39.5	39.10	40.2	40.7	41.0	41.5	41.9	42.2	42.7	42.11	43.4	43.9	44.2	44.6	44.11	45.4	45.9	46.2	46.6	46.11	47.3
6	38.5	38.9	39.2	39.7	40.0	40.4	40.9	41.2	41.7	41.11	42.4	42.9	43.2	43.6	43.11	44.4	44.9	45.1	45.6	45.11	46.4	46.8	47.1	47.6
9.6½	38.7	39.0	39.4	39.9	40.2	40.7	40.11	41.4	41.9	42.2	42.6	42.11	43.4	43.9	44.2	44.6	44.11	45.4	45.9	46.2	46.6	46.11	47.4	47.8
7	38.9	39.2	39.6	39.11	40.4	40.9	41.2	41.6	41.11	42.4	42.9	43.1	43.6	43.11	44.4	44.9	45.1	45.6	45.11	46.4	46.9	47.1	47.6	47.11
7½	38.11	39.4	39.8	40.1	40.6	40.11	41.4	41.8	42.1	42.6	42.11	43.4	43.9	44.1	44.6	44.11	45.4	45.9	46.1	46.6	47.0	47.4	47.9	48.1
8	39.1	39.6	39.10	40.3	40.8	41.1	41.6	41.11	42.3	42.8	43.1	43.6	43.11	44.4	44.8	45.1	45.6	45.11	46.4	46.9	47.1	47.6	47.11	48.4
9.8½	39.3	39.7	40.1	40.5	40.10	41.3	41.8	42.1	42.6	42.11	43.3	43.8	44.1	44.6	44.11	45.4	45.9	46.1	46.6	46.11	47.4	47.9	48.2	48.6
9	39.5	39.9	40.3	40.7	41.0	41.5	41.10	42.3	42.8	43.1	43.6	43.10	44.3	44.8	45.1	45.6	45.11	46.4	46.9	47.1	47.6	47.11	48.4	48.9
9½	39.7	39.11	40.5	40.10	41.2	41.7	42.0	42.5	42.10	43.3	43.8	44.1	44.6	44.11	45.3	45.8	46.1	46.6	46.11	47.4	47.9	48.2	48.7	48.11
10	39.9	40.2	40.7	41.0	41.5	41.9	42.2	42.7	43.0	43.5	43.10	44.3	44.8	45.1	45.6	45.11	46.4	46.8	47.1	47.6	47.11	48.4	48.9	49.2
9.10½	39.11	40.4	40.9	41.2	41.7	42.0	42.5	42.9	43.2	43.7	44.0	44.5	44.10	45.3	45.8	46.1	46.6	46.11	47.4	47.9	48.2	48.7	49.0	49.4
11	40.1	40.6	40.11	41.4	41.9	42.2	42.7	43.0	43.5	43.10	44.3	44.7	45.0	45.5	45.10	46.3	46.8	47.1	47.6	47.11	48.4	48.9	49.2	49.7
11½	40.3	40.8	41.1	41.6	41.11	42.4	42.9	43.2	43.7	44.0	44.5	44.10	45.3	45.8	46.1	46.6	46.11	47.4	47.9	48.2	48.7	49.0	49.5	49.9
10.0	40.5	40.10	41.3	41.8	42.1	42.6	42.11	43.4	43.9	44.2	44.7	45.0	45.5	45.10	46.3	46.8	47.1	47.6	47.11	48.4	48.9	49.2	49.7	50.0

A TABLE OF FEET AND INCHES

From 10 Foot and ½ an Inch by 4 Foot and ½ an inch to 12 Foot 6 Inches by 5 Foot

	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I
F.I.Parts	4.0½	4.1	4.1½	4.2	4.2½	4.3	4.3½	4.4	4.4½	4.5	4.5½	4.6	4.6½	4.7	4.7½	4.8	4.8½	4.9	4.9½	4.10	4.10½	4.11	4.11½	5.0
10.0½	40.7	41.0	41.5	41.10	42.3	42.8	43.1	43.6	43.11	44.4	44.9	45.2	45.7	46.0	46.5	46.10	47.3	47.8	48.1	48.6	48.11	49.4	49.9	50.2
1	40.9	41.2	41.7	42.0	42.5	42.10	43.3	43.8	44.1	44.6	44.11	45.4	45.10	46.3	46.8	47.1	47.6	47.11	48.4	48.9	49.2	49.7	50.0	50.5
1½	40.11	41.4	41.9	42.2	42.7	43.0	43.5	43.10	44.4	44.9	45.2	45.7	46.0	46.5	46.10	47.3	47.8	48.1	48.6	48.11	49.4	49.9	50.2	50.7
2	41.1	41.6	41.11	42.4	42.9	43.2	43.8	44.1	44.6	44.11	45.4	45.9	46.2	46.7	47.0	47.5	47.10	48.3	48.9	49.2	49.7	50.0	50.5	50.10
10.2½	41.3	41.8	42.1	42.6	43.0	43.5	43.10	44.3	44.8	45.1	45.6	45.11	46.4	46.9	47.3	47.8	48.1	48.6	48.11	49.4	49.9	50.2	50.7	51.0
3	41.5	41.10	42.3	42.8	43.2	43.7	44.0	44.5	44.10	45.3	45.8	46.1	46.7	47.0	47.5	47.10	48.3	48.8	49.1	49.6	50.0	50.5	50.10	51.3
3½	41.7	42.0	42.5	42.11	43.4	43.9	44.2	44.7	45.0	45.5	45.11	46.4	46.9	47.2	47.7	48.0	48.5	48.11	49.4	49.9	50.2	50.7	51.0	51.5
4	41.9	42.2	42.7	43.1	43.6	43.11	44.4	44.9	45.2	45.8	46.1	46.6	46.11	47.4	47.9	48.3	48.8	49.1	49.6	49.11	50.4	50.10	51.3	51.8
10.4½	41.11	42.4	42.10	43.3	43.8	44.1	44.6	44.11	45.5	45.10	46.3	46.8	47.1	47.7	48.0	48.5	48.10	49.3	49.9	50.2	50.7	51.0	51.5	51.10
5	42.1	42.6	43.0	43.5	43.10	44.3	44.8	45.2	45.7	46.0	46.5	46.10	47.4	47.9	48.2	48.7	49.1	49.6	49.11	50.4	50.9	51.3	51.8	52.1
5½	42.3	42.8	43.2	43.7	44.0	44.5	44.11	45.4	45.9	46.2	46.7	47.1	47.6	47.11	48.4	48.10	49.3	49.8	50.1	50.7	51.0	51.5	51.10	52.3
6	42.5	42.10	43.4	43.9	44.2	44.7	45.1	45.6	45.11	46.4	46.10	47.3	47.8	48.1	48.7	49.0	49.5	49.10	50.4	50.9	51.2	51.7	52.1	52.6
10.6½	42.7	43.0	43.6	43.11	44.4	44.10	45.3	45.8	46.1	46.7	47.0	47.5	47.11	48.4	48.9	49.2	49.8	50.1	50.6	50.11	51.5	51.10	52.3	52.8
7	42.9	43.3	43.8	44.1	44.6	45.0	45.5	45.10	46.3	46.9	47.2	47.8	48.1	48.6	48.11	49.5	49.10	50.3	50.9	51.2	51.7	52.0	52.6	52.11
7½	42.11	43.5	43.10	44.3	44.9	45.2	45.7	46.0	46.6	46.11	47.4	47.10	48.3	48.8	49.2	49.7	50.0	50.6	50.11	51.4	51.10	52.3	52.8	53.1
8	43.1	43.7	44.0	44.5	44.11	45.4	45.9	46.3	46.8	47.1	47.7	48.0	48.5	48.11	49.4	49.9	50.3	50.8	51.1	51.7	52.0	52.5	52.11	53.4
10.8½	43.3	43.9	44.2	44.7	45.1	45.6	45.11	46.5	46.10	47.4	47.9	48.2	48.8	49.1	49.6	50.0	50.5	50.10	51.4	51.9	52.2	52.8	53.1	53.6
9	43.5	43.11	44.4	44.9	45.3	45.8	46.2	46.7	47.0	47.6	47.11	48.4	48.10	49.3	49.9	50.2	50.7	51.1	51.6	51.11	52.5	52.10	53.4	53.9
9½	43.7	44.1	44.6	45.0	45.5	45.10	46.4	46.9	47.3	47.8	48.1	48.7	49.0	49.6	49.11	50.4	50.10	51.3	51.8	52.2	52.7	53.1	53.6	53.11
10	43.9	44.3	44.8	45.2	45.7	46.0	46.6	46.11	47.5	47.10	48.4	48.9	49.2	49.8	50.1	50.7	51.0	51.5	51.11	52.4	52.10	53.3	53.9	54.2
10.10½	43.11	44.5	44.10	45.4	45.9	46.3	46.8	47.1	47.7	48.0	48.6	48.11	49.5	49.10	50.4	50.9	51.2	51.8	52.1	52.7	53.0	53.6	53.11	54.4
11	44.1	44.7	45.0	45.6	45.11	46.5	46.10	47.4	47.9	48.3	48.8	49.1	49.7	50.0	50.6	50.11	51.5	51.10	52.4	52.9	53.3	53.8	54.2	54.7
11½	44.3	44.9	45.2	45.8	46.1	46.7	47.0	47.6	47.11	48.5	48.10	49.4	49.9	50.3	50.8	51.2	51.7	52.1	52.6	53.0	53.5	53.11	54.4	54.9
11.0	44.5	44.11	45.4	45.10	46.3	46.9	47.2	47.8	48.1	48.7	49.0	49.6	49.11	50.5	50.10	51.4	51.9	52.3	52.8	53.2	53.7	54.1	54.6	55.0
11.0½	44.8	45.1	45.7	46.0	46.6	46.11	47.5	47.10	48.4	48.9	49.3	49.8	50.2	50.7	51.1	51.6	52.0	52.5	52.11	53.4	53.10	54.3	54.9	55.2
1	44.10	45.3	45.9	46.2	46.8	47.1	47.7	48.0	48.6	48.11	49.5	49.10	50.4	50.10	51.3	51.9	52.2	52.8	53.1	53.7	54.0	54.6	54.11	55.5
1½	45.0	45.5	45.11	46.4	46.10	47.3	47.9	48.2	48.8	49.2	49.7	50.1	50.6	51.0	51.5	51.11	52.4	52.10	53.4	53.9	54.3	54.8	55.2	55.7
2	45.2	45.7	46.1	46.6	47.0	47.5	47.11	48.5	48.10	49.4	49.9	50.3	50.9	51.2	51.8	52.1	52.7	53.0	53.6	54.0	54.5	54.11	55.4	55.10
11.2½	45.4	45.9	46.3	46.8	47.2	47.8	48.1	48.7	49.0	49.6	50.0	50.5	50.11	51.4	51.10	52.4	52.9	53.3	53.8	54.2	54.8	55.1	55.7	56.0
3	45.6	45.11	46.5	46.10	47.4	47.10	48.3	48.9	49.3	49.8	50.2	50.7	51.1	51.7	52.0	52.6	53.0	53.5	53.11	54.4	54.10	55.4	55.9	56.3
3½	45.8	46.1	46.7	47.1	47.6	48.0	48.6	48.11	49.5	49.10	50.4	50.10	51.3	51.9	52.3	52.8	53.2	53.8	54.1	54.7	55.1	55.6	56.0	56.5
4	45.10	46.3	46.9	47.3	47.8	48.2	48.8	49.1	49.7	50.1	50.6	51.0	51.6	51.11	52.5	52.11	53.4	53.10	54.4	54.9	55.3	55.9	56.2	56.8
11.4½	46.0	46.5	46.11	47.5	47.10	48.4	48.10	49.3	49.9	50.3	50.9	51.2	51.8	52.2	52.7	53.1	53.7	54.0	54.6	55.0	55.5	55.11	56.5	56.10
5	46.2	46.7	47.1	47.7	48.1	48.6	49.0	49.6	49.11	50.5	50.11	51.4	51.10	52.4	52.10	53.3	53.9	54.3	54.8	55.2	55.8	56.2	56.7	57.1
5½	46.4	46.9	47.3	47.9	48.3	48.8	49.2	49.8	50.2	50.7	51.1	51.7	52.0	52.6	53.0	53.6	53.11	54.5	54.11	55.4	55.10	56.4	56.10	57.3
6	46.6	46.11	47.5	47.11	48.5	48.10	49.4	49.10	50.4	50.9	51.3	51.9	52.3	52.8	53.2	53.8	54.2	54.7	55.1	55.7	56.1	56.6	57.0	57.6
11.6½	46.8	47.2	47.7	48.1	48.7	49.1	49.6	50.0	50.6	51.0	51.5	51.11	52.5	52.11	53.5	53.10	54.4	54.10	55.4	55.9	56.3	56.9	57.3	57.8
7	46.10	47.4	47.9	48.3	48.9	49.3	49.9	50.2	50.8	51.2	51.8	52.1	52.7	53.1	53.7	54.1	54.6	55.0	55.6	56.0	56.6	56.11	57.5	57.11
7½	47.0	47.6	47.11	48.5	48.11	49.5	49.11	50.4	50.10	51.4	51.10	52.4	52.10	53.3	53.9	54.3	54.9	55.3	55.8	56.2	56.8	57.2	57.8	58.1
8	47.2	47.8	48.1	48.7	49.1	49.7	50.1	50.7	51.0	51.6	52.0	52.6	53.0	53.6	53.11	54.5	54.11	55.5	55.11	56.5	56.10	57.4	57.10	58.4
11.8½	47.4	47.10	48.4	48.9	49.3	49.9	50.3	50.9	51.3	51.9	52.2	52.8	53.2	53.8	54.2	54.8	55.1	55.7	56.1	56.7	57.1	57.7	58.1	58.6
9	47.6	48.0	48.6	48.11	49.5	49.11	50.5	50.11	51.5	51.11	52.4	52.10	53.4	53.10	54.4	54.10	55.4	55.10	56.4	56.9	57.3	57.9	58.3	58.9
9½	47.8	48.2	48.8	49.2	49.7	50.1	50.7	51.1	51.7	52.1	52.7	53.1	53.7	54.1	54.6	55.0	55.6	56.0	56.6	57.0	57.6	58.0	58.6	58.11
10	47.10	48.4	48.10	49.4	49.10	50.3	50.9	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.8	55.3	55.9	56.2	56.8	57.2	57.8	58.2	58.8	59.2
11.10½	48.0	48.6	49.0	49.6	50.0	50.6	51.0	51.5	51.11	52.5	53.0	53.5	53.11	54.5	54.11	55.5	55.11	56.5	56.11	57.5	57.11	58.5	58.11	59.4
11	48.2	48.9	49.2	49.8	50.2	50.8	51.2	51.8	52.2	52.8	53.2	53.7	54.1	54.7	55.1	55.7	56.1	56.7	57.1	57.7	58.1	58.7	59.1	59.7
11½	48.4	48.10	49.4	49.10	50.4	50.10	51.4	51.10	52.4	52.10	53.4	53.10	54.4	54.10	55.4	55.10	56.4	56.10	57.4	57.10	58.4	58.10	59.4	59.9
12.0	48.6	49.0	49.6	50.0	50.6	51.0	51.6	52.0	52.6	53.0	53.6	54.0	54.6	55.0	55.6	56.0	56.6	57.0	57.6	58.0	58.6	59.0	59.6	60.0
12.0½	48.8	49.2	49.8	50.2	50.8	51.2	51.8	52.2	52.8	53.2	53.8	54.2	54.8	55.2	55.8	56.2	56.8	57.2	57.8	58.2	58.8	59.2	59.8	60.2
1	48.10	49.4	49.10	50.4	50.10	51.4	51.10	52.4	52.10	53.4	53.10	54.4	54.11	55.5	55.11	56.5	56.11	57.5	57.11	58.5	58.11	59.5	59.11	60.5
1½	49.0	49.6	50.0	50.6	51.0	51.6	52.0	52.6	53.1	53.7	54.1	54.7	55.1	55.7	56.1	56.7	57.1	57.7	58.1	58.7	59.1	59.7	60.1	60.7
2	49.2	49.8	50.2	50.8	51.2	51.8	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.9	57.3	57.9	58.4	58.10	59.4	59.10	60.4	60.10
12.2½	49.4	49.10	50.4	50.10	51.4	51.11	52.5	52.11	53.5	53.11	54.5	54.11	55.5	55.11	56.6	57.0	57.6	58.0	58.6	59.0	59.6	60.0	60.6	61.0
3	49.6	50.0	50.6	51.0	51.7	52.1	52.7	53.1	53.7	54.1	54.7	55.1	55.8	56.2	56.8	57.2	57.8	58.2	58.8	59.2	59.9	60.3	60.9	61.3
3½	49.8	50.2	50.8	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.10	55.4	55.10	56.4	56.10	57.4	57.10	58.5	58.11	59.5	59.11	60.5	60.11	61.5
4	49.10	50.4	50.10	51.5	51.11	52.5	52.11	53.5	53.11	54.6	55.0	55.6	56.0	56.6	57.0	57.7	58.1	58.7	59.1	59.7	60.1	60.8	61.2	61.8
12.4½	50.0	50.6	51.1	51.7	52.1	52.7	53.1	53.7	54.2	54.8	55.2	55.8	56.2	56.9	57.3	57.9	58.3	58.9	59.4	59.10	60.4	60.10	61.4	61.10
5	50.2	50.8	51.3	51.9	52.3	52.9	53.3	53.10	54.4	54.10	55.4	55.10	56.5	56.11	57.5	57.11	58.6	59.0	59.6	60.0	60.6	61.1	61.7	62.1
5½	50.4	50.10	51.5	51.11	52.5	52.11	53.6	54.0	54.6	55.0	55.7	56.1	56.7	57.1	57.7	58.2	58.8	59.2	59.8	60.3	60.9	61.3	61.9	62.3
6	50.6	51.0	51.7	52.1	52.7	53.1	53.8	54.2	54.8	55.2	55.9	56.3	56.9	57.3	57.10	58.4	58.10	59.4	59.11	60.5	60.11	61.5	62.0	62.6

From 5 Foot and ½ an Inch by 5 Foot and ½ an Inch to 6 Foot 10 Inches by 6 Foot

	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I
F.I.Parts	5.0½	5.1	5.1½	5.2	5.2½	5.3	5.3½	5.4	5.4½	5.5	5.5½	5.6	5.6½	5.7	5.7½	5.8	5.8½	5.9	5.9½	5.10	5.10½	5.11	5.11½	6.0
5.0½	25.5																							
1	25.8	25.10																						
1½	25.10	26.1	26.3																					
2	26.1	26.3	26.6	26.8																				
5.2½	26.3	26.6	26.8	26.11	27.2																			
3	26.6	26.8	26.11	27.1	27.4	27.7																		
3½	26.8	26.11	27.1	27.4	27.7	27.9	28.0																	
4	26.11	27.1	27.4	27.7	27.9	28.0	28.3	28.4																
5.4½	27.1	27.4	27.7	27.9	28.0	28.3	28.5	28.7	28.11															
5	27.4	27.6	27.9	28.0	28.3	28.5	28.8	28.10	29.1	29.4														
5½	27.6	27.9	28.0	28.2	28.5	28.8	28.11	29.0	29.4	29.7	29.10													
6	27.9	27.11	28.2	28.5	28.8	28.10	29.1	29.4	29.7	29.9	30.0	30.3												
5.6½	27.11	28.2	28.5	28.8	28.10	29.1	29.4	29.7	29.9	30.0	30.3	30.6	30.9											
7	28.2	28.5	28.7	28.10	29.1	29.4	29.7	29.9	30.0	30.3	30.6	30.8	30.11	31.2										
7½	28.4	28.7	28.10	29.1	29.4	29.6	29.9	30.0	30.3	30.6	30.8	30.11	31.2	31.5	31.8									
8	28.7	28.10	29.0	29.3	29.6	29.9	30.0	30.3	30.5	30.8	30.11	31.2	31.5	31.8	31.10	32.1								
5.8½	28.9	29.0	29.3	29.6	29.9	30.0	30.2	30.5	30.8	30.11	31.2	31.5	31.8	31.10	32.1	32.4	32.7							
9	29.0	29.3	29.6	29.8	29.11	30.2	30.5	30.8	30.11	31.2	31.5	31.7	31.10	32.1	32.4	32.7	32.10	33.1						
9½	29.2	29.5	29.8	29.11	30.2	30.5	30.8	30.11	31.2	31.4	31.7	31.10	32.1	32.4	32.7	32.10	33.1	33.4	33.7					
10	29.5	29.8	29.11	30.2	30.5	30.7	30.10	31.1	31.4	31.7	31.10	32.1	32.4	32.7	32.10	33.1	33.4	33.6	33.9	34.0				
5.10½	29.7	29.10	30.1	30.4	30.7	30.10	31.0	31.4	31.7	31.10	32.1	32.4	32.7	32.10	33.1	33.3	33.6	33.9	34.0	34.3	34.6			
11	29.10	30.1	30.4	30.7	30.10	31.1	31.3	31.7	31.10	32.1	32.4	32.6	32.9	33.0	33.3	33.6	33.9	34.0	34.3	34.6	34.9	35.0		
11½	30.0	30.3	30.6	30.9	31.0	31.3	31.6	31.9	32.0	32.3	32.6	32.9	33.0	33.3	33.6	33.9	34.0	34.3	34.6	34.9	35.0	35.3	35.6	
6.0	30.3	30.6	30.9	31.0	31.3	31.6	31.9	32.0	32.3	32.6	32.9	33.0	33.3	33.6	33.9	34.0	34.3	34.6	34.9	35.0	35.3	35.6	35.9	36.0
6.0½	30.6	30.9	31.0	31.3	31.6	31.9	32.0	32.3	32.6	32.9	33.0	33.3	33.6	33.9	34.0	34.3	34.6	34.9	35.0	35.3	35.6	35.9	36.0	36.3
1	30.8	30.11	31.2	31.5	31.8	31.11	32.2	32.5	32.8	32.11	33.2	33.5	33.9	34.0	34.3	34.6	34.9	35.0	35.3	35.6	35.9	36.0	36.3	36.6
1½	30.11	31.2	31.5	31.8	31.11	32.1	32.5	32.8	32.11	33.2	33.5	33.8	33.11	34.2	34.5	34.8	35.0	35.3	35.6	35.9	36.0	36.3	36.6	36.9
2	31.1	31.4	31.7	31.10	32.1	32.4	32.8	32.11	33.1	33.5	33.8	33.11	34.2	34.5	34.8	34.11	35.2	35.5	35.9	36.0	36.3	36.6	36.9	37.0
6.2½	31.4	31.7	31.10	32.1	32.4	32.7	32.10	33.1	33.4	33.8	33.11	34.2	34.5	34.8	34.11	35.2	35.5	35.8	35.11	36.3	36.6	36.9	37.0	37.3
3	31.6	31.9	32.0	32.3	32.7	32.10	33.1	33.4	33.7	33.10	34.1	34.4	34.8	34.11	35.2	35.5	35.8	35.11	36.2	36.5	36.9	37.0	37.3	37.6
3½	31.9	32.0	32.3	32.6	32.9	33.0	33.4	33.7	33.10	34.1	34.4	34.7	34.10	35.1	35.5	35.8	35.11	36.2	36.5	36.8	37.0	37.3	37.6	37.9
4	31.11	32.2	32.5	32.9	33.0	33.3	33.6	33.9	34.0	34.4	34.7	34.10	35.1	35.4	35.7	35.11	36.2	36.5	36.8	36.11	37.2	37.6	37.9	38.0
6.4½	32.2	32.5	32.8	32.11	33.2	33.6	33.9	34.0	34.3	34.6	34.10	35.1	35.4	35.7	35.10	36.1	36.5	36.8	36.11	37.2	37.5	37.9	38.0	38.3
5	32.4	32.7	32.11	33.2	33.5	33.8	33.11	34.3	34.6	34.9	35.0	35.3	35.7	35.10	36.1	36.4	36.8	36.11	37.2	37.5	37.8	38.0	38.3	38.6
5½	32.7	32.10	33.1	33.4	33.8	33.11	34.2	34.5	34.9	35.0	35.3	35.6	35.9	36.1	36.4	36.7	36.10	37.2	37.5	37.8	37.11	38.3	38.6	38.9
6	32.9	33.0	33.4	33.7	33.10	34.1	34.5	34.8	34.11	35.2	35.6	35.9	36.0	36.3	36.7	36.10	37.0	37.4	37.8	37.11	38.2	38.5	38.9	39.0
6.6½	33.0	33.3	33.6	33.10	34.1	34.4	34.7	34.11	35.2	35.5	35.8	36.0	36.3	36.6	36.10	37.1	37.4	37.7	37.11	38.2	38.5	38.8	39.0	39.3
7	33.2	33.6	33.9	34.0	34.3	34.7	34.10	35.1	35.5	35.8	35.11	36.3	36.6	36.9	37.0	37.4	37.7	37.10	38.2	38.5	38.8	38.11	39.3	39.6
7½	33.5	33.8	33.11	34.3	34.6	34.9	35.1	35.4	35.7	35.11	36.2	36.5	36.9	37.0	37.3	37.6	37.10	38.1	38.4	38.8	38.11	39.2	39.6	39.9
8	33.7	33.11	34.2	34.5	34.9	35.0	35.3	35.7	35.10	36.1	36.5	36.8	36.11	37.3	37.6	37.9	38.1	38.4	38.7	38.11	39.2	39.5	39.9	40.0
6.8½	33.10	34.1	34.4	34.8	34.11	35.3	35.6	35.9	36.1	36.4	36.7	37.1	37.2	37.5	37.8	38.0	38.4	38.7	38.10	39.2	39.5	39.8	40.0	40.3
9	34.0	34.4	34.7	34.10	35.2	35.5	35.9	36.0	36.3	36.7	36.10	37.4	37.5	37.8	38.0	38.3	38.6	38.10	39.1	39.4	39.8	39.11	40.3	40.6
9½	34.3	34.6	34.10	35.1	35.4	35.8	35.11	36.3	36.6	36.9	37.1	37.7	37.8	37.11	38.3	38.6	38.9	39.1	39.4	39.7	39.10	40.2	40.6	40.9
10	34.5	34.9	35.0	35.4	35.7	35.10	36.2	36.5	36.9	37.0	37.3	37.11	37.10	38.2	38.6	38.9	39.0	39.3	39.7	39.10	40.2	40.5	40.9	41.0

A TABLE OF FEET AND INCHES

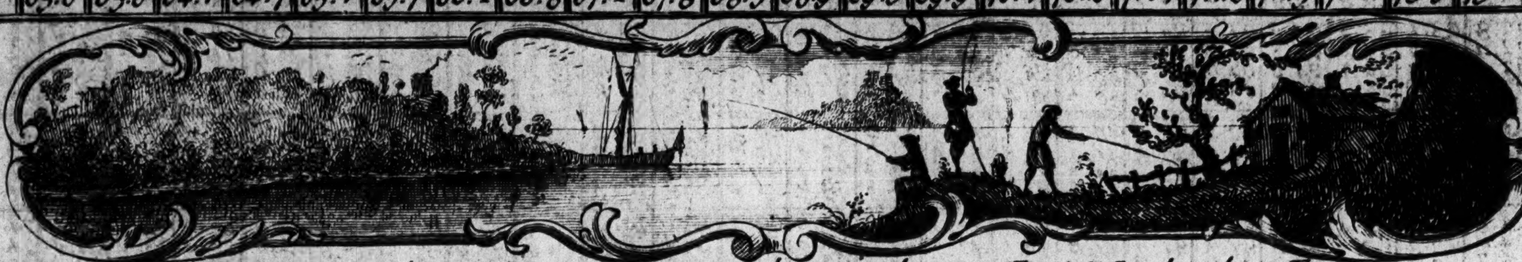
From 6 Foot 10 Inches and a ½ by 5 Foot and ½ an Inch to 11 Foot 10 Inches by 6 Foot

	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I
F.I.Parts	5.0½	5.1	5.1½	5.2	5.2½	5.3	5.3½	5.4	5.4½	5.5	5.5½	5.6	5.6½	5.7	5.7½	5.8	5.8½	5.9	5.9½	5.10	5.10½	5.11	5.11½	6.0
6.10½	34.8	34.11	35.3	35.6	35.10	36.1	36.5	36.8	36.11	37.3	37.6	37.10	38.1	38.5	38.8	38.11	39.3	39.6	39.10	40.1	40.5	40.8	41.0	41.3
11	34.10	35.2	35.5	35.9	36.0	36.4	36.7	36.11	37.2	37.6	37.9	38.0	38.4	38.7	38.11	39.2	39.6	39.9	40.1	40.4	40.8	40.11	41.3	41.6
11½	35.1	35.4	35.8	35.11	36.3	36.6	36.10	37.1	37.5	37.8	38.0	38.3	38.7	38.10	39.2	39.5	39.8	40.0	40.4	40.7	40.11	41.2	41.6	41.9
7.0	35.3	35.7	35.10	36.2	36.5	36.9	37.0	37.4	37.7	37.11	38.2	38.6	38.9	39.1	39.4	39.8	39.11	40.3	40.6	40.10	41.1	41.5	41.8	42.0
7.0½	35.6	35.10	36.1	36.5	36.8	37.0	37.3	37.7	37.10	38.2	38.5	38.9	39.0	39.4	39.7	39.11	40.2	40.6	40.9	41.1	41.4	41.8	41.11	42.3
1	35.9	36.0	36.4	36.7	36.11	37.2	37.6	37.9	38.1	38.4	38.8	38.11	39.3	39.7	39.10	40.2	40.5	40.9	41.0	41.4	41.7	41.11	42.2	42.6
1½	35.11	36.3	36.6	36.10	37.1	37.5	37.8	38.0	38.4	38.7	38.11	39.2	39.6	39.9	40.1	40.4	40.8	41.0	41.3	41.7	41.10	42.2	42.5	42.9
2	36.2	36.5	36.9	37.0	37.4	37.7	37.11	38.3	38.6	38.10	39.1	39.5	39.9	40.0	40.4	40.7	40.11	41.2	41.6	41.10	42.1	42.5	42.8	43.0
7.2½	36.4	36.8	36.11	37.3	37.7	37.10	38.2	38.5	38.9	39.1	39.4	39.8	39.11	40.3	40.1	40.10	41.2	41.5	41.9	42.1	42.4	42.8	42.11	43.3
3	36.7	36.10	37.2	37.5	37.9	38.1	38.4	38.8	39.0	39.3	39.7	39.10	40.2	40.6	40.9	41.1	41.5	41.8	42.0	42.3	42.7	42.11	43.2	43.6
3½	36.9	37.1	37.4	37.8	38.0	38.3	38.7	38.11	39.2	39.6	39.10	40.1	40.5	40.9	41.0	41.4	41.7	41.11	42.3	42.6	42.10	43.2	43.5	43.9
4	37.0	37.3	37.7	37.11	38.2	38.6	38.10	39.1	39.5	39.9	40.0	40.4	40.8	40.11	41.3	41.7	41.10	42.2	42.6	42.9	43.1	43.5	43.8	44.0
7.4½	37.2	37.6	37.10	38.1	38.5	38.9	39.0	39.4	39.8	39.11	40.3	40.7	40.10	41.2	41.6	41.9	42.1	42.5	42.9	43.0	43.4	43.8	43.11	44.3
5	37.5	37.8	38.0	38.4	38.8	38.11	39.3	39.7	39.10	40.2	40.6	40.9	41.1	41.5	41.9	42.0	42.4	42.8	42.11	43.3	43.7	43.11	44.2	44.6
5½	37.7	37.11	38.3	38.6	38.10	39.2	39.6	39.9	40.1	40.5	40.8	41.0	41.4	41.8	41.11	42.3	42.7	42.11	43.2	43.6	43.10	44.2	44.5	44.9
6	37.10	38.1	38.5	38.9	39.1	39.4	39.8	40.0	40.4	40.7	40.11	41.3	41.7	41.10	42.2	42.6	42.10	43.1	43.5	43.9	44.1	44.5	44.8	45.0
7.6½	38.0	38.4	38.8	39.0	39.3	39.7	39.11	40.3	40.6	40.10	41.2	41.6	41.10	42.1	42.5	42.9	43.1	43.4	43.8	44.0	44.4	44.7	44.11	45.3
7	38.3	38.7	38.10	39.2	39.6	39.10	40.2	40.5	40.9	41.1	41.5	41.8	42.0	42.4	42.8	43.0	43.3	43.7	43.11	44.3	44.7	44.10	45.2	45.6
7½	38.5	38.9	39.1	39.5	39.9	40.0	40.4	40.8	41.0	41.4	41.7	41.11	42.3	42.7	42.11	43.2	43.6	43.10	44.2	44.6	44.10	45.1	45.5	45.9
8	38.8	39.0	39.3	39.7	39.11	40.3	40.7	40.11	41.2	41.6	41.10	42.2	42.6	42.10	43.1	43.5	43.9	44.1	44.5	44.9	45.0	45.4	45.8	46.0
7.8½	38.10	39.2	39.6	39.10	40.2	40.6	40.9	41.1	41.5	41.9	42.1	42.5	42.9	43.0	43.4	43.8	44.0	44.4	44.8	45.0	45.3	45.7	45.11	46.3
9	39.1	39.5	39.9	40.0	40.4	40.8	41.0	41.4	41.8	42.0	42.4	42.7	43.0	43.3	43.7	43.11	44.3	44.7	44.11	45.2	45.6	45.10	46.2	46.6
9½	39.3	39.7	39.11	40.3	40.7	40.11	41.3	41.7	41.11	42.2	42.6	42.10	43.2	43.6	43.10	44.2	44.6	44.10	45.2	45.5	45.9	46.1	46.5	46.9
10	39.6	39.10	40.2	40.6	40.10	41.1	41.5	41.9	42.1	42.5	42.9	43.1	43.5	43.9	44.1	44.5	44.9	45.0	45.4	45.8	46.0	46.4	46.8	47.0
7.10½	39.8	40.0	40.4	40.8	41.0	41.4	41.8	42.0	42.4	42.8	43.0	43.4	43.8	44.0	44.4	44.7	44.11	45.3	45.7	45.11	46.3	46.7	46.11	47.3
11	39.11	40.3	40.7	40.11	41.3	41.7	41.11	42.3	42.7	42.11	43.3	43.6	43.10	44.2	44.6	44.10	45.2	45.6	45.10	46.2	46.6	46.10	47.2	47.6
11½	40.1	40.5	40.9	41.1	41.5	41.9	42.1	42.5	42.9	43.1	43.5	43.9	44.1	44.5	44.9	45.1	45.5	45.9	46.1	46.5	46.9	47.1	47.5	47.9
8.0	40.4	40.8	41.0	41.4	41.8	42.0	42.4	42.8	43.0	43.4	43.8	44.0	44.4	44.8	45.0	45.4	45.8	46.0	46.4	46.8	47.0	47.4	47.8	48.0
8.0½	40.7	40.11	41.3	41.7	41.11	42.3	42.7	42.11	43.3	43.7	43.11	44.3	44.7	44.11	45.3	45.7	45.11	46.3	46.7	46.11	47.3	47.7	47.11	48.3
1	40.9	41.1	41.5	41.9	42.1	42.5	42.9	43.1	43.5	43.9	44.1	44.5	44.10	45.2	45.6	45.10	46.2	46.6	46.10	47.2	47.6	47.10	48.2	48.6
1½	41.0	41.4	41.8	42.0	42.4	42.8	43.0	43.4	43.8	44.0	44.4	44.8	45.0	45.4	45.8	46.0	46.5	46.9	47.1	47.5	47.9	48.1	48.5	48.9
2	41.2	41.6	41.10	42.2	42.6	42.10	43.3	43.7	43.11	44.3	44.7	44.11	45.3	45.7	45.11	46.3	46.7	46.11	47.4	47.8	48.0	48.4	48.8	49.0
8.2½	41.5	41.9	42.1	42.5	42.9	43.1	43.5	43.9	44.1	44.6	44.10	45.2	45.6	45.10	46.2	46.6	46.10	47.2	47.6	47.11	48.3	48.7	48.11	49.3
3	41.7	41.11	42.3	42.7	43.0	43.4	43.8	44.0	44.4	44.8	45.0	45.4	45.8	46.1	46.5	46.9	47.1	47.5	47.9	48.1	48.6	48.10	49.2	49.6
3½	41.10	42.2	42.6	42.10	43.2	43.6	43.11	44.3	44.7	44.11	45.3	45.7	45.11	46.4	46.8	47.0	47.4	47.8	48.0	48.4	48.9	49.1	49.5	49.9
4	42.0	42.4	42.8	43.1	43.5	43.9	44.1	44.5	44.9	45.2	45.6	45.10	46.2	46.6	46.10	47.3	47.7	47.11	48.3	48.7	48.11	49.4	49.8	50.0
8.4½	42.3	42.7	42.11	43.3	43.7	44.0	44.4	44.8	45.0	45.4	45.9	46.1	46.5	46.9	47.1	47.5	47.10	48.2	48.6	48.10	49.2	49.7	49.11	50.3
5	42.5	42.9	43.2	43.6	43.10	44.2	44.6	44.11	45.3	45.7	45.11	46.3	46.8	47.0	47.4	47.8	48.1	48.5	48.9	49.1	49.5	49.10	50.2	50.6
5½	42.8	43.0	43.4	43.8	44.1	44.5	44.9	45.1	45.6	45.10	46.2	46.6	46.10	47.3	47.7	47.11	48.3	48.8	49.0	49.4	49.8	50.1	50.5	50.9
6	42.10	43.2	43.7	43.11	44.3	44.7	45.0	45.4	45.8	46.0	46.5	46.9	47.1	47.5	47.10	48.2	48.6	48.10	49.3	49.7	49.11	50.4	50.8	51.0
8.6½	43.1	43.5	43.9	44.2	44.6	44.10	45.2	45.7	45.11	46.3	46.7	47.0	47.4	47.8	48.1	48.5	48.9	49.1	49.6	49.10	50.2	50.6	50.11	51.3
7	43.3	43.8	44.0	44.4	44.8	45.1	45.5	45.9	46.2	46.6	46.10	47.2	47.7	47.11	48.3	48.8	49.0	49.4	49.9	50.1	50.5	50.9	51.2	51.6
7½	43.6	43.10	44.2	44.7	44.11	45.3	45.8	46.0	46.4	46.9	47.1	47.5	47.10	48.2	48.6	48.10	49.3	49.7	49.11	50.4	50.8	51.0	51.5	51.9
8	43.8	44.1	44.5	44.9	45.2	45.6	45.10	46.3	46.7	46.11	47.4	47.8	48.0	48.5	48.9	49.1	49.6	49.10	50.2	50.7	50.11	51.3	51.8	52.0
8.8½	43.11	44.3	44.8	45.0	45.4	45.9	46.1	46.5	46.10	47.2	47.6	47.11	48.3	48.7	49.0	49.4	49.9	50.1	50.5	50.10	51.2	51.6	51.11	52.3
9	44.1	44.6	44.10	45.2	45.7	45.11	46.4	46.8	47.0	47.5	47.9	48.1	48.6	48.10	49.3	49.7	49.11	50.4	50.8	51.0	51.5	51.9	52.2	52.6
9½	44.4	44.8	45.1	45.5	45.9	46.2	46.6	46.11	47.3	47.7	48.0	48.4	48.9	49.1	49.5	49.10	50.2	50.7	50.11	51.3	51.8	52.0	52.5	52.9
10	44.6	44.11	45.3	45.8	46.0	46.4	46.9	47.1	47.6	47.10	48.3	48.7	48.11	49.4	49.8	50.1	50.5	50.9	51.2	51.6	51.11	52.3	52.8	53.0
8.10½	44.9	45.1	45.6	45.10	46.3	46.7	47.0	47.4	47.8	48.1	48.5	48.10	49.2	49.7	49.11	50.3	50.8	51.0	51.5	51.9	52.2	52.6	52.11	53.3
11	44.11	45.4	45.8	46.1	46.5	46.10	47.2	47.7	47.11	48.4	48.8	49.0	49.5	49.9	50.2	50.6	50.11	51.3	51.8	52.0	52.5	52.9	53.2	53.6
11½	45.2	45.6	45.11	46.3	46.8	47.0	47.5	47.9	48.2	48.6	48.11	49.3	49.8	50.0	50.5	50.9	51.2	51.6	51.11	52.3	52.8	53.0	53.5	53.9
9.0	45.4	45.9	46.1	46.6	46.10	47.3	47.7	48.0	48.4	48.9	49.1	49.6	49.10	50.3	50.7	51.0	51.4	51.9	52.1	52.6	52.10	53.3	53.7	54.0
9.0½	45.7	46.0	46.4	46.9	47.1	47.6	47.10	48.3	48.7	49.0	49.4	49.9	50.1	50.6	50.10	51.3	51.7	52.0	52.4	52.9	53.1	53.6	53.10	54.3
1	45.10	46.2	46.7	46.11	47.4	47.8	48.1	48.5	48.10	49.2	49.7	49.11	50.4	50.8	51.1	51.6	51.10	52.3	52.7	53.0	53.4	53.9	54.1	54.6
1½	46.0	46.5	46.9	47.2	47.6	47.11	48.3	48.8	49.1	49.5	49.10	50.2	50.7	50.11	51.4	51.8	52.1	52.6	52.10	53.3	53.7	54.0	54.4	54.9
2	46.3	46.7	47.0	47.4	47.9	48.1	48.6	48.11	49.3	49.8	50.0	50.5	50.10	51.2	51.7	51.11	52.4	52.8	53.1	53.6	53.10	54.3	54.7	55.0
9.2½	46.5	46.10	47.2	47.7	48.0	48.4	48.9	49.1	49.6	49.11	50.3	50.8	51.0	51.5	51.10	52.2	52.7	52.11	53.4	53.9	54.1	54.6	54.10	55.3
3	46.8	47.0	47.5	47.9	48.2	48.7	48.11	49.4	49.9	50.1	50.6	50.10	51.3	51.8	52.0	52.5	52.10	53.2	53.7	53.11	54.4	54.9	55.1	55.6
3½	46.10	47.3	47.7	48.0	48.5	48.9	49.2	49.7	49.11	50.4	50.9	51.1	51.6	51.11	52.3	52.8	53.0	53.5	53.10	54.2	54.7	55.0	55.4	55.9
4	47.1	47.5	47.10	48.3	48.7	49.0	49.5	49.9	50.2	50.7	50.11	51.4	51.8	52.1	52.6	52.11	53.3	53.8	54.1	54.5	54.10	55.3	55.7	56.0
9.4½	47.3	47.8	48.1	48.5	48.10	49.3	49.7	50.0	50.4	50.9	51.2	51.7	51.11	52.4	52.9	53.1	53.6	53.11	54.4	54.8	55.1	55.6	55.10	56.3
5	47.6	47.10	48.3	48.8	49.1	49.5	49.10	50.3	50.7	51.0	51.5	51.9	52.2	52.7	53.0	53.4	53.9	54.2	54.6	54.11	55.4	55.9	56.1	56.6
5½	47.8	48.1	48.6	48.10	49.3	49.8	50.1	50.5	50.10	51.3	51.7	52.0	52.5	52.10	53.2	53.7	54.0	54.5	54.9	55.2	55.7	56.0	56.4	56.9
6	47.11	48.3	48.8	49.1	49.6	49.10	50.3	50.8	51.1	51.5	51.10	52.3	52.8	53.0	53.5	53.10	54.3	54.7	55.0	55.5	55.10	56.2	56.7	57.0
9.6½	48.1	48.6	48.11	49.4	49.8	50.1	50.6	50.11	51.3	51.8	52.1	52.6	52.11	53.3	53.8	54.1	54.6	54.10	55.3	55.8	56.1	56.5	56.10	57.3
7	48.4	48.9	49.1	49.6	49.11	50.4	50.9	51.1	51.6	51.11	52.4	52.8	53.1	53.6	53.11	54.4	54.8	55.1	55.6	55.11	56.4	56.8	57.1	57.6
7½	48.6	48.11	49.4	49.9	50.2	50.6	50.11	51.4	51.9	52.2	52.6	52.11	53.4	53.9	54.2	54.6	54.11	55.4	55.9	56.2	56.7	56.11	57.4	57.9
8	48.9	49.2	49.6	49.11	50.4	50.9	51.2	51.7	51.11	52.4	52.9	53.2	53.7	54.0	54.4	54.9	55.2	55.7	56.0	56.5	56.9	57.2	57.7	58.0
9.8½	48.11	49.4	49.9	50.2	50.7	51.0	51.4	51.9	52.2	52.7	53.0	53.5	53.10	54.2	54.7	55.0	55.5	55.10	56.3	56.8	57.0	57.5	57.10	58.3
9	49.2	49.7	50.0	50.4	50.9	51.2	51.7	52.0	52.5	52.10	53.3	53.7	54.0	54.5	54.10	55.3	55.8	56.1	56.6	56.10	57.3	57.8	58.1	58.6
9½	49.4	49.9	50.2	50.7	51.0	51.5	51.10	52.3	52.8	53.0	53.5	53.10	54.3	54.8	55.1	55.6	55.11	56.4	56.9	57.1	57.6	57.11	58.4	58.9
10	49.7	50.0	50.5	59.10	51.3	51.7	52.0	52.5	52.10	53.3	53.8	54.1	54.6	54.11	55.4	55.9	56.2	56.6	56.11	57.4	57.9	58.2	58.7	59.0
9.10½	49.9	50.2	50.7	51.0	51.5	51.10	52.3	52.8	53.1	53.6	53.11	54.4	54.9	55.2	55.7	55.11	56.4	56.9	57.2	57.7	58.0	58.5	58.10	59.3
11	50.0	50.5	50.10	51.3	51.8	52.1	52.6	52.11	53.4	53.9	54.2	54.6	54.11	55.4	55.9	56.2	56.7	57.0	57.5	57.10	58.3	58.8	59.1	59.6
11½	50.2	50.7	51.0	51.5	51.10	52.3	52.8	53.1	53.6	53.11	54.4	54.9	55.2	55.7	56.0	56.5	56.10	57.3	57.8	58.1	58.6	58.11	59.4	59.9
10.0	50.5	50.10	51.3	51.8	52.1	52.6	52.11	53.4	53.9	54.2	54.7	55.0	55.5	55.10	56.3	56.8	57.1	57.6	57.11	58.4	58.9	59.2	59.7	60.0
10.0½	50.8	51.1	51.6	51.11	52.4	52.9	53.2	53.7	54.0	54.5	54.10	55.3	55.8	56.1	56.6	56.11	57.4	57.9	58.2	58.7	59.0	59.5	59.10	60.3
1	50.10	51.3	51.8	52.1	52.6	52.11	53.4	53.9	54.2	54.7	55.0	55.5	55.11	56.4	56.9	57.2	57.7	58.0	58.5	58.10	59.3	59.8	60.1	60.6
1½	51.1	51.6	51.11	52.4	52.9	53.2	53.7	54.0	54.5	54.10	55.3	55.8	56.1	56.6	56.11	57.4	57.9	58.3	58.8	59.1	59.6	59.11	60.4	60.9
2	51.3	51.8	52.1	52.6	52.11	53.4	53.10	54.3	54.8	55.1	55.6	55.11	56.4	56.9	57.2	57.7	58.0	58.5	58.11	59.4	59.9	60.2	60.7	61.0
10.2½	51.6	51.11	52.4	52.9	53.2	53.7	54.0	54.5	54.10	55.4	55.9	56.2	56.7	57.0	57.5	57.10	58.3	58.8	59.1	59.7	60.0	60.5	60.10	61.3
3	51.8	52.1	52.6	52.11	53.5	53.10	54.3	54.8	55.1	55.6	55.11	56.4	56.10	57.3	57.8	58.1	58.6	58.11	59.4	59.9	60.3	60.8	61.1	61.6
3½	51.11	52.4	52.9	53.2	53.7	54.0	54.6	54.11	55.4	55.9	56.2	56.7	57.0	57.6	57.11	58.4	58.9	59.2	59.7	60.0	60.6	60.11	61.4	61.9
4	52.1	52.6	52.11	53.5	53.10	54.3	54.8	55.1	55.6	56.0	56.5	56.10	57.3	57.8	58.1	58.7	59.0	59.5	59.10	60.3	60.9	61.2	61.7	62.0
10.4½	52.4	52.9	53.2	53.7	54.0	54.6	54.11	55.4	55.9	56.2	56.7	57.1	57.6	57.11	58.4	58.9	59.3	59.8	60.1	60.6	60.11	61.5	61.10	62.3
5	52.6	52.11	53.5	53.10	54.3	54.8	55.1	55.7	56.0	56.5	56.10	57.3	57.9	58.2	58.7	59.0	59.6	59.11	60.4	60.9	61.2	61.8	62.1	62.6
5½	52.9	53.2	53.7	54.0	54.6	54.11	55.4	55.9	56.3	56.8	57.1	57.6	57.11	58.5	58.10	59.3	59.8	60.2	60.7	61.0	61.5	61.11	62.4	62.9
6	52.11	53.4	53.10	54.3	54.8	55.1	55.7	56.0	56.6	56.10	57.4	57.9	58.2	58.7	59.1	59.6	59.11	60.4	60.10	61.3	61.8	62.1	62.7	63.0
10.6½	53.2	53.7	54.0	54.6	54.11	55.4	55.9	56.3	56.8	57.1	57.6	58.0	58.5	58.10	59.4	59.9	60.2	60.7	61.1	61.6	61.11	62.4	62.10	63.3
7	53.4	53.10	54.3	54.8	55.1	55.7	56.0	56.5	56.11	57.4	57.9	58.2	58.8	59.1	59.6	60.0	60.5	60.10	61.4	61.9	62.2	62.7	63.1	63.6
7½	53.7	54.0	54.5	54.11	55.4	55.9	56.3	56.8	57.1	57.7	58.0	58.5	58.11	59.4	59.9	60.2	60.8	61.1	61.6	62.0	62.5	62.10	63.4	63.9
8	53.9	54.3	54.8	55.1	55.7	56.0	56.5	56.11	57.4	57.9	58.3	58.8	59.1	59.7	60.0	60.5	60.11	61.4	61.9	62.3	62.8	63.1	63.7	64.0
10.8½	54.0	54.5	54.11	55.4	55.9	56.3	56.8	57.1	57.7	58.0	58.5	58.11	59.4	59.9	60.3	60.8	61.2	61.8	62.0	62.6	62.11	63.4	63.10	64.3
9	54.2	54.8	55.1	55.6	56.0	56.5	56.11	57.4	57.9	58.3	58.8	59.1	59.7	60.0	60.6	60.11	61.4	61.10	62.3	62.8	63.2	63.7	64.1	64.6
9½	54.5	54.10	55.4	55.9	56.2	56.8	57.1	57.7	58.0	58.5	58.11	59.4	59.10	60.3	60.8	61.2	61.7	62.1	62.6	62.11	63.5	63.10	64.4	64.9
10	54.7	55.1	55.6	56.0	56.5	56.10	57.4	57.9	58.3	58.8	59.2	59.7	60.0	60.6	60.11	61.5	61.10	62.3	62.9	63.2	63.8	64.1	64.7	65.0
10.10½	54.10	55.3	55.9	56.2	56.8	57.1	57.7	58.0	58.5	58.11	59.4	59.10	60.3	60.9	61.2	61.7	62.1	62.6	63.0	63.5	63.11	64.4	65.10	65.3
11	55.0	55.6	55.11	56.5	56.10	57.4	57.9	58.3	58.8	59.2	59.7	60.0	60.6	60.11	61.5	61.10	62.4	62.9	63.3	63.8	64.2	64.7	65.1	65.6
11½	55.3	55.8	56.2	56.7	57.1	57.6	58.0	58.6	58.11	59.4	59.10	60.3	60.9	61.2	61.8	62.1	62.7	63.0	63.6	63.11	64.5	64.10	65.4	65.9
11.0	55.5	55.11	56.4	56.10	57.3	57.9	58.2	58.8	59.1	59.7	60.0	60.6	60.11	61.5	61.10	62.4	62.9	63.3	63.8	64.2	64.7	65.1	65.6	66.0
11.0½	55.8	56.2	56.7	57.1	57.6	58.0	58.5	58.11	59.4	59.10	60.3	60.9	61.2	61.8	62.1	62.7	63.0	63.6	63.11	64.5	64.10	65.4	65.9	66.3
1	55.11	56.4	56.10	57.3	57.9	58.2	58.8	59.1	59.7	60.0	60.6	60.11	61.5	61.11	62.4	62.10	63.3	63.9	64.2	64.8	65.1	65.7	66.0	66.6
1½	56.1	56.7	57.0	57.6	57.11	58.5	58.10	59.4	59.10	60.3	60.9	61.2	61.8	62.1	62.7	63.0	63.6	64.0	64.5	64.10	65.4	65.10	66.3	66.9
2	56.4	56.9	57.3	57.8	58.2	58.7	59.1	59.7	60.0	60.6	60.11	61.5	61.11	62.4	62.10	63.3	63.9	64.2	64.8	65.2	65.7	66.1	66.6	67.0
11.2½	56.6	57.0	57.5	57.11	58.4	58.10	59.4	59.9	60.3	60.9	61.2	61.8	62.1	62.7	63.1	63.6	64.0	64.5	64.11	65.5	65.10	66.4	66.9	67.3
3	56.9	57.2	57.8	58.1	58.7	59.1	59.6	60.0	60.6	60.11	61.5	61.10	62.4	62.10	63.3	63.9	64.3	64.8	65.2	65.7	66.1	66.7	67.0	67.6
3½	56.11	57.5	57.10	58.4	58.10	59.3	59.9	60.3	60.8	61.2	61.8	62.1	62.7	63.1	63.6	64.0	64.5	64.11	65.5	65.10	66.4	66.10	67.3	67.9
4	57.2	57.7	58.1	58.7	59.0	59.6	60.0	60.5	60.11	61.5	61.10	62.4	62.10	63.3	63.9	64.3	64.8	65.2	65.8	66.1	66.7	67.1	67.6	68.0
11.4½	57.4	57.10	58.4	58.9	59.3	59.9	60.2	60.8	61.2	61.7	62.1	62.7	63.0	63.6	64.0	64.5	64.11	65.5	65.10	66.4	66.10	67.4	67.9	68.3
5	57.7	58.0	58.6	59.0	59.6	59.11	60.5	60.11	61.4	61.10	62.4	62.9	63.3	63.9	64.3	64.8	65.2	65.8	66.1	66.7	67.1	67.7	68.0	68.6
5½	57.9	58.3	58.9	59.2	59.8	60.2	60.8	61.1	61.7	62.1	62.7	63.0	63.6	64.0	64.5	64.11	65.5	65.11	66.4	66.10	67.4	67.10	68.3	68.9
6	58.0	58.5	58.11	59.5	59.11	60.4	60.10	61.4	61.10	62.3	62.9	63.3	63.9	64.2	64.8	65.2	65.8	66.1	66.7	67.1	67.7	68.0	68.6	69.0
11.6½	58.2	58.8	59.2	59.8	60.1	60.7	61.1	61.7	62.0	62.6	63.0	63.6	64.0	64.5	64.11	65.5	65.11	66.4	66.10	67.4	67.10	68.3	68.9	69.3
7	58.5	58.11	59.4	59.10	60.4	60.10	61.4	61.9	62.3	62.9	63.3	63.8	64.2	64.8	65.2	65.8	66.1	66.7	67.1	67.7	68.1	68.6	69.0	69.6
7½	58.7	59.1	59.7	60.1	60.7	61.0	61.6	62.0	62.6	63.0	63.5	63.11	64.5	64.11	65.5	65.10	66.4	66.10	67.4	67.10	68.4	68.9	69.3	69.9
8	58.10	59.4	59.9	60.3	60.9	61.3	61.9	62.3	62.8	63.2	63.8	64.2	64.8	65.2	65.7	66.1	66.7	67.1	67.7	68.1	68.6	69.0	69.6	70.0
11.8½	59.0	59.6	60.0	60.6	61.0	61.6	61.11	62.5	62.11	63.5	63.11	64.5	64.11	65.4	65.10	66.4	66.10	67.4	67.10	68.4	68.9	69.3	69.9	70.3
9	59.3	59.9	60.3	60.8	61.2	61.8	62.2	62.8	63.2	63.8	64.2	64.7	65.1	65.7	66.1	66.7	67.1	67.7	68.1	68.6	69.0	69.6	70.0	70.6
9½	59.5	59.11	60.5	60.11	61.5	61.11	62.5	62.11	63.5	63.10	64.4	64.10	65.4	65.10	66.4	66.10	67.4	67.10	68.4	68.9	69.3	69.9	70.3	70.9
10	59.8	60.2	60.8	61.2	61.8	62.1	62.7	63.1	63.7	64.1	64.7	65.1	65.7	66.1	66.7	67.1	67.7	68.0	68.6	69.0	69.6	70.0	70.6	71.0

A TABLE OF FEET AND INCHES

From 11 Foot 10 Inches and a ½ by 5 foot and ½ an Inch to 12 Foot 6 Inches by 6 Foot

	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I
F.I.Parts	5.0½	5.1	5.1½	5.2	5.2½	5.3	5.3½	5.4	5.4½	5.5	5.5½	5.6	5.6½	5.7	5.7½	5.8	5.8½	5.9	5.9½	5.10	5.10½	5.11	5.11½	6.0
11.10½	59.10	60.4	60.10	61.4	61.10	62.4	62.10	63.4	63.10	64.4	64.10	65.4	65.10	66.3	66.10	67.3	67.9	68.3	68.9	69.3	69.9	70.3	70.9	71.3
11	60.1	60.7	61.1	61.7	62.1	62.7	63.1	63.7	64.1	64.7	65.1	65.6	66.0	66.6	67.0	67.6	68.0	68.6	69.0	69.6	70.0	70.6	71.0	71.6
11½	60.3	60.9	61.3	61.9	62.3	62.9	63.3	63.9	64.3	64.9	65.3	65.9	66.3	66.9	67.3	67.9	68.3	68.9	69.3	69.9	70.3	70.9	71.3	71.9
12.0	60.6	61.0	61.6	62.0	62.6	63.0	63.6	64.0	64.6	65.0	65.6	66.0	66.6	67.0	67.6	68.0	68.6	69.0	69.6	70.0	70.6	71.0	71.6	72.0
12.0½	60.8	61.3	61.9	62.3	62.9	63.3	63.9	64.3	64.9	65.3	65.9	66.3	66.9	67.2	67.9	68.3	68.9	69.3	69.9	70.3	70.9	71.3	71.9	72.3
1	60.11	61.5	61.11	62.5	62.11	63.5	63.11	64.5	65.0	65.5	65.11	66.5	67.0	67.6	68.0	68.6	69.0	69.6	70.0	70.6	71.0	71.6	72.0	72.6
1½	61.2	61.8	62.2	62.8	63.2	63.8	64.2	64.8	65.2	65.8	66.2	66.8	67.2	67.8	68.2	68.8	69.3	69.9	70.3	70.9	71.3	71.9	72.3	72.9
2	61.4	61.10	62.4	62.10	63.4	63.10	64.5	64.11	65.5	65.11	66.5	66.11	67.5	67.11	68.5	68.11	69.5	69.11	70.6	71.0	71.6	72.0	72.6	73.0
12.2½	61.7	62.1	62.7	63.1	63.7	64.1	64.7	65.1	65.7	66.2	66.8	67.1	67.8	68.2	68.8	69.2	69.8	70.2	70.8	71.3	71.9	72.3	72.9	73.3
3	61.9	62.3	62.9	63.3	63.10	64.4	64.10	65.4	65.10	66.4	66.10	67.4	67.11	68.5	68.11	69.5	69.11	70.5	70.11	71.5	72.0	72.6	73.0	73.6
3½	62.0	62.6	63.0	63.6	64.0	64.6	65.1	65.7	66.1	66.7	67.1	67.7	68.1	68.8	69.2	69.8	70.2	70.8	71.2	71.8	72.3	72.9	73.3	73.9
4	62.2	62.8	63.2	63.9	64.3	64.9	65.3	65.9	66.3	66.10	67.4	67.10	68.4	68.10	69.4	69.11	70.5	70.11	71.5	71.11	72.5	73.0	73.6	74.0
12.4½	62.5	62.11	63.5	63.11	64.5	65.0	65.6	66.0	66.6	67.0	67.7	68.1	68.7	69.1	69.7	70.1	70.8	71.2	71.8	72.2	72.8	73.3	73.9	74.3
5	62.7	63.1	63.8	64.2	64.8	65.2	65.8	66.3	66.9	67.3	67.9	68.3	68.10	69.4	69.10	70.4	70.11	71.5	71.11	72.5	72.11	73.6	74.0	74.6
5½	62.10	63.4	63.10	64.4	64.11	65.5	65.11	66.5	67.0	67.6	68.0	68.6	69.0	69.7	70.1	70.7	71.1	71.8	72.2	72.8	73.2	73.9	74.3	74.9
6	63.0	63.6	64.1	64.7	65.1	65.7	66.2	66.8	67.2	67.8	68.3	68.9	69.3	69.9	70.4	70.10	71.4	71.10	72.5	72.11	73.5	73.11	74.6	75.0



From 6 Foot and ½ an Inch by 6 foot and ½ an inch to 9 Foot 8 Inches by 7 Foot

	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I
F.I.Parts	6.0½	6.1	6.1½	6.2	6.2½	6.3	6.3½	6.4	6.4½	6.5	6.5½	6.6	6.6½	6.7	6.7½	6.8	6.8½	6.9	6.9½	6.10	6.10½	6.11	6.11½	7.0
6.0½	36.6																							
1	36.9	37.0																						
1½	37.0	37.3	37.6																					
2	37.3	37.6	37.9	38.0																				
6.2½	37.6	37.9	38.0	38.3	38.7																			
3	37.9	38.0	38.3	38.6	38.10	39.1																		
3½	38.0	38.3	38.6	38.10	39.1	39.4	39.7																	
4	38.3	38.6	38.9	39.1	39.4	39.7	39.10	40.1																
6.4½	38.6	38.9	39.1	39.4	39.7	39.10	40.1	40.4	40.8															
5	38.9	39.0	39.4	39.7	39.10	40.1	40.4	40.8	40.11	41.2														
5½	39.0	39.3	39.7	39.10	40.1	40.4	40.8	40.11	41.2	41.5	41.9													
6	39.3	39.6	39.10	40.1	40.4	40.7	40.11	41.2	41.5	41.8	42.0	42.3												
6.6½	39.6	39.10	40.1	40.4	40.7	40.11	41.2	41.5	41.8	42.0	42.3	42.6	42.10											
7	39.9	40.1	40.4	40.7	40.10	41.2	41.5	41.8	42.0	42.3	42.6	42.9	43.1	43.4										
7½	40.0	40.4	40.7	40.10	41.2	41.5	41.8	41.11	42.3	42.6	42.9	43.1	43.4	43.7	43.11									
8	40.3	40.7	40.10	41.1	41.5	41.8	41.11	42.3	42.6	42.9	43.1	43.4	43.7	43.11	44.2	44.5								
6.8½	40.6	40.10	41.1	41.4	41.8	41.11	42.2	42.6	42.9	43.1	43.4	43.7	43.11	44.2	44.5	44.9	45.0							
9	40.9	41.1	41.4	41.7	41.11	42.2	42.6	42.9	43.0	43.4	43.7	43.10	44.2	44.5	44.9	45.0	45.3	45.7						
9½	41.0	41.4	41.7	41.11	42.2	42.5	42.9	43.0	43.4	43.7	43.10	44.2	44.5	44.9	45.0	45.3	45.7	45.10	46.2					
10	41.3	41.7	41.10	42.2	42.5	42.8	43.0	43.3	43.7	43.10	44.2	44.5	44.8	45.0	45.3	45.7	45.10	46.1	46.5	46.8				
6.10½	41.6	41.10	42.1	42.5	42.8	43.0	43.3	43.6	43.10	44.1	44.5	44.8	45.0	45.3	45.7	45.10	46.1	46.5	46.8	47.0	47.3			
11	41.9	42.1	42.4	42.8	42.11	43.3	43.6	43.10	44.1	44.5	44.8	44.11	45.3	45.6	45.10	46.1	46.5	46.8	47.0	47.3	47.7	47.10		
11½	42.0	42.4	42.7	42.11	43.2	43.6	43.9	44.1	44.4	44.8	44.11	45.3	45.6	45.10	46.1	46.5	46.8	47.0	47.3	47.7	47.10	48.2	48.5	
7.0	42.3	42.7	42.10	43.2	43.5	43.9	44.0	44.4	44.7	44.11	45.2	45.6	45.9	46.1	46.4	46.8	46.11	47.3	47.6	47.10	48.1	48.5	48.8	49.0
7.0½	42.7	42.10	43.2	43.5	43.9	44.0	44.4	44.7	44.11	45.2	45.6	45.9	46.1	46.4	46.8	46.11	47.3	47.6	47.10	48.1	48.5	48.8	49.0	49.3
1	42.10	43.1	43.5	43.8	44.0	44.3	44.7	44.10	45.2	45.5	45.9	46.0	46.4	46.8	46.11	47.3	47.6	47.10	48.1	48.5	48.8	49.0	49.3	49.7
1½	43.1	43.4	43.8	43.11	44.3	44.6	44.10	45.2	45.5	45.9	46.0	46.4	46.7	46.11	47.2	47.6	47.10	48.1	48.5	48.8	49.0	49.3	49.7	49.10
2	43.4	43.7	43.11	44.2	44.6	44.9	45.1	45.5	45.8	46.0	46.3	46.7	46.11	47.2	47.6	47.9	48.1	48.4	48.8	49.0	49.3	49.7	49.10	50.2
7.2½	43.7	43.10	44.2	44.5	44.9	45.1	45.4	45.8	45.11	46.3	46.7	46.10	47.2	47.5	47.9	48.1	48.4	48.8	48.11	49.3	49.7	49.10	50.2	50.5
3	43.10	44.1	44.5	44.8	45.0	45.4	45.7	45.11	46.3	46.6	46.10	47.1	47.5	47.9	48.0	48.4	48.8	48.11	49.3	49.6	49.10	50.2	50.5	50.9
3½	44.1	44.4	44.8	45.0	45.3	45.7	45.11	46.2	46.6	46.9	47.1	47.5	47.8	48.0	48.4	48.7	48.11	49.3	49.6	49.10	50.2	50.5	50.9	51.0
4	44.4	44.7	44.11	45.3	45.6	45.10	46.2	46.5	46.9	47.1	47.4	47.8	48.0	48.3	48.7	48.11	49.2	49.6	49.10	50.1	50.5	50.9	51.0	51.4
7.4½	44.7	44.10	45.2	45.6	45.9	46.1	46.5	46.8	47.0	47.4	47.8	47.11	48.3	48.7	48.10	49.2	49.6	49.9	50.1	50.5	50.8	51.0	51.4	51.7
5	44.10	45.1	45.5	45.9	46.1	46.4	46.8	47.0	47.3	47.7	47.11	48.2	48.6	48.10	49.2	49.5	49.9	50.1	50.4	50.8	51.0	51.4	51.7	51.11
5½	45.1	45.4	45.8	46.0	46.4	46.7	46.11	47.3	47.7	47.10	48.2	48.6	48.9	49.1	49.5	49.9	50.0	50.4	50.8	51.0	51.3	51.7	51.11	52.2
6	45.4	45.7	45.11	46.3	46.7	46.10	47.2	47.6	47.10	48.1	48.5	48.9	49.1	49.4	49.8	50.0	50.4	50.7	50.11	51.3	51.7	51.10	52.2	52.6
7.6½	45.7	45.11	46.2	46.6	46.10	47.2	47.5	47.9	48.1	48.5	48.8	49.0	49.4	49.8	50.0	50.3	50.7	50.11	51.3	51.6	51.10	52.2	52.6	52.9
7	45.10	46.2	46.5	46.9	47.1	47.5	47.9	48.0	48.4	48.8	49.0	49.3	49.7	49.11	50.3	50.7	50.10	51.2	51.6	51.10	52.2	52.5	52.9	53.1
7½	46.1	46.5	46.8	47.0	47.4	47.8	48.0	48.3	48.7	48.11	49.3	49.7	49.11	50.2	50.6	50.10	51.2	51.6	51.9	52.1	52.5	52.9	53.1	53.4
8	46.4	46.8	46.11	47.3	47.7	47.11	48.3	48.7	48.10	49.2	49.6	49.10	50.2	50.6	50.9	51.1	51.5	51.9	52.1	52.5	52.8	53.0	53.4	53.8
7.8½	46.7	46.11	47.3	47.6	47.10	48.2	48.6	48.10	49.2	49.6	49.9	50.1	50.5	50.9	51.1	51.5	51.9	52.0	52.4	52.8	53.0	53.4	53.8	53.11
9	46.10	47.2	47.6	47.9	48.1	48.5	48.9	49.1	49.5	49.9	50.1	50.4	50.8	51.0	51.4	51.8	52.0	52.4	52.8	52.11	53.3	53.7	53.11	54.3
9½	47.1	47.5	47.9	48.1	48.4	48.8	49.0	49.4	49.8	50.0	50.4	50.8	51.0	51.4	51.7	51.11	52.3	52.7	52.11	53.3	53.7	53.11	54.3	54.6
10	47.4	47.8	48.0	48.4	48.8	48.11	49.3	49.7	49.11	50.3	50.7	50.11	51.3	51.7	51.11	52.3	52.7	52.10	53.2	53.6	53.10	54.2	54.6	54.10
7.10½	47.7	47.11	48.3	48.7	48.11	49.3	49.7	49.10	50.2	50.6	50.10	51.2	51.6	51.10	52.2	52.6	52.10	53.2	53.6	53.10	54.2	54.6	54.10	55.2
11	47.10	48.2	48.6	48.10	49.2	49.6	49.10	50.2	50.6	50.10	51.2	51.5	51.9	52.1	52.5	52.9	53.1	53.5	53.9	54.1	54.5	54.9	55.1	55.5
11½	48.1	48.5	48.9	49.1	49.5	49.9	50.1	50.5	50.9	51.1	51.5	51.9	52.1	52.5	52.9	53.1	53.5	53.9	54.1	54.5	54.9	55.1	55.5	55.8
8.0	48.4	48.8	49.0	49.4	49.8	50.0	50.4	50.8	51.0	51.4	51.8	52.0	52.4	52.8	53.0	53.4	53.8	54.0	54.4	54.8	55.0	55.4	55.8	56.0
8.0½	48.7	48.11	49.3	49.7	49.11	50.3	50.7	50.11	51.3	51.7	51.11	52.3	52.7	52.11	53.3	53.7	53.11	54.3	54.7	54.11	55.3	55.7	55.11	56.3
1	48.10	49.2	49.6	49.10	50.2	50.6	50.10	51.2	51.6	51.10	52.2	52.6	52.11	53.3	53.7	53.11	54.3	54.7	54.11	55.3	55.7	55.11	56.3	56.7
1½	49.1	49.5	49.9	50.1	50.5	50.9	51.1	51.5	51.10	52.2	52.6	52.10	53.2	53.6	53.10	54.2	54.6	54.10	55.2	55.6	55.10	56.2	56.6	56.10
2	49.4	49.8	50.0	50.4	50.8	51.0	51.5	51.9	52.1	52.5	52.9	53.1	53.5	53.9	54.1	54.5	54.9	55.1	55.6	55.10	56.2	56.6	56.10	57.2
8.2½	49.7	49.11	50.3	50.7	51.0	51.4	51.8	52.0	52.4	52.8	53.0	53.4	53.8	54.0	54.5	54.9	55.1	55.5	55.9	56.1	56.5	56.9	57.1	57.5
3	49.10	50.2	50.6	50.10	51.3	51.7	51.11	52.3	52.7	52.11	53.3	53.7	54.0	54.4	54.8	55.0	55.4	55.8	56.0	56.4	56.9	57.1	57.5	57.9
3½	50.1	50.5	50.9	51.2	51.6	51.10	52.2	52.6	52.10	53.2	53.7	53.11	54.3	54.7	54.11	55.3	55.7	56.0	56.4	56.8	57.0	57.4	57.8	58.0
4	50.4	50.8	51.0	51.5	51.9	52.1	52.5	52.9	53.1	53.6	53.10	54.2	54.6	54.10	55.2	55.7	55.11	56.3	56.7	56.11	57.3	57.8	58.0	58.4
8.4½	50.7	50.11	51.4	51.8	52.0	52.4	52.8	53.0	53.5	53.9	54.1	54.5	54.9	55.2	55.6	55.10	56.2	56.6	56.11	57.3	57.7	57.11	58.3	58.7
5	50.10	51.2	51.7	51.11	52.3	52.7	52.11	53.4	53.8	54.0	54.4	54.8	55.1	55.5	55.9	56.1	56.6	56.10	57.2	57.6	57.10	58.3	58.7	58.11
5½	51.1	51.5	51.10	52.2	52.6	52.10	53.3	53.7	53.11	54.3	54.8	55.0	55.4	55.8	56.0	56.5	56.9	57.1	57.5	57.10	58.2	58.6	58.10	59.2
6	51.4	51.8	52.1	52.5	52.9	53.1	53.6	53.10	54.2	54.6	54.11	55.3	55.7	55.11	56.4	56.8	57.0	57.4	57.9	58.1	58.5	58.9	59.2	59.6
8.6½	51.7	52.0	52.4	52.8	53.0	53.5	53.9	54.1	54.5	54.10	55.2	55.6	55.11	56.3	56.7	56.11	57.4	57.8	58.0	58.4	58.9	59.1	59.5	59.9
7	51.10	52.3	52.7	52.11	53.3	53.8	54.0	54.4	54.9	55.1	55.5	55.9	56.2	56.6	56.10	57.3	57.7	57.11	58.4	58.8	59.0	59.4	59.9	60.1
7½	52.1	52.6	52.10	53.2	53.7	53.11	54.3	54.7	55.0	55.4	55.8	56.1	56.5	56.9	57.2	57.6	57.10	58.3	58.7	58.11	59.4	59.8	60.0	60.4
8	52.4	52.9	53.1	53.5	53.10	54.2	54.6	54.11	55.3	55.7	56.0	56.4	56.8	57.1	57.5	57.9	58.2	58.6	58.10	59.3	59.7	59.11	60.4	60.8
8.8½	52.7	53.0	53.4	53.8	54.1	54.5	54.9	55.2	55.6	55.11	56.3	56.7	57.0	57.4	57.8	58.1	58.5	58.9	59.2	59.6	59.10	60.3	60.7	60.11
9	52.10	53.3	53.7	53.11	54.4	54.8	55.1	55.5	55.9	56.2	56.6	56.10	57.3	57.7	58.0	58.4	58.8	59.1	59.5	59.9	60.2	60.6	60.11	61.3
9½	53.1	53.6	53.10	54.3	54.7	54.11	55.4	55.8	56.1	56.5	56.9	57.2	57.6	57.11	58.3	58.7	59.0	59.4	59.9	60.1	60.5	60.10	61.2	61.6
10	53.4	53.9	54.1	54.6	54.10	55.2	55.7	55.11	56.4	56.8	57.1	57.5	57.9	58.2	58.6	58.11	59.3	59.7	60.0	60.4	60.9	61.1	61.6	61.10
8.10½	53.7	54.0	54.4	54.9	55.1	55.6	55.10	56.2	56.7	56.11	57.4	57.8	58.1	58.5	58.10	59.2	59.6	59.11	60.3	60.8	61.0	61.5	61.9	62.1
11	53.10	54.3	54.7	55.0	55.4	55.9	56.1	56.6	56.10	57.3	57.7	57.11	58.4	58.8	59.1	59.5	59.10	60.2	60.7	60.11	61.4	61.8	62.1	62.5
11½	54.1	54.6	54.10	55.3	55.7	56.0	56.4	56.9	57.1	57.6	57.10	58.3	58.7	59.0	59.4	59.9	60.1	60.6	60.10	61.3	61.7	62.0	62.4	62.8
9.0	54.4	54.9	55.1	55.6	55.10	56.3	56.7	57.0	57.4	57.9	58.1	58.6	58.10	59.3	59.7	60.0	60.4	60.9	61.1	61.6	61.10	62.3	62.7	63.0
9.0½	54.8	55.0	55.5	55.9	56.2	56.6	56.11	57.3	57.8	58.0	58.5	58.9	59.2	59.6	59.11	60.3	60.8	61.0	61.5	61.9	62.2	62.6	62.11	63.3
1	54.11	55.3	55.8	56.0	56.5	56.9	57.2	57.6	57.11	58.3	58.8	59.0	59.5	59.10	60.2	60.7	60.11	61.4	61.8	62.1	62.5	62.10	63.2	63.7
1½	55.2	55.6	55.11	56.3	56.8	57.0	57.5	57.9	58.2	58.7	58.11	59.4	59.8	60.1	60.5	60.10	61.3	61.7	62.0	62.4	62.9	63.1	63.6	63.10
2	55.5	55.9	56.2	56.6	56.11	57.3	57.8	58.1	58.5	58.10	59.2	59.7	60.0	60.4	60.9	61.1	61.6	61.10	62.3	62.8	63.0	63.5	63.9	64.2
9.2½	55.8	56.0	56.5	56.9	57.2	57.7	57.11	58.4	58.8	59.1	59.6	59.10	60.3	60.7	61.0	61.5	61.9	62.2	62.6	62.11	63.4	63.8	64.1	64.5
3	55.11	56.3	56.8	57.0	57.5	57.10	58.2	58.7	59.0	59.4	59.9	60.1	60.6	60.11	61.3	61.8	62.1	62.5	62.10	63.2	63.7	64.0	64.4	64.9
3½	56.2	56.6	56.11	57.4	57.8	58.1	58.6	58.10	59.3	59.7	60.0	60.5	60.9	61.2	61.7	61.11	62.4	62.9	63.1	63.6	63.11	64.3	64.8	65.0
4	56.5	56.9	57.2	57.7	57.11	58.4	58.9	59.1	59.6	59.11	60.3	60.8	61.1	61.5	61.10	62.3	62.7	63.0	63.5	63.9	64.2	64.7	64.11	65.4
9.4½	56.8	57.0	57.5	57.10	58.2	58.7	59.0	59.4	59.9	60.2	60.7	60.11	61.4	61.9	62.1	62.6	62.11	63.3	63.8	64.1	64.5	64.10	65.3	65.7
5	56.11	57.3	57.8	58.1	58.6	58.10	59.3	59.8	60.0	60.5	60.10	61.2	61.7	62.0	62.5	62.9	63.2	63.7	63.11	64.4	64.9	65.2	65.6	65.11
5½	57.2	57.6	57.11	58.4	58.9	59.1	59.6	59.11	60.4	60.8	61.1	61.6	61.10	62.3	62.8	63.1	63.5	63.10	64.3	64.8	65.0	65.5	65.10	66.2
6	57.5	57.9	58.2	58.7	59.0	59.4	59.9	60.2	60.7	60.11	61.4	61.9	62.2	62.6	62.11	63.4	63.9	64.1	64.6	64.11	65.4	65.8	66.1	66.6
9.6½	57.8	58.1	58.5	58.10	59.3	59.8	60.0	60.5	60.10	61.3	61.7	62.0	62.5	62.10	63.3	63.7	64.0	64.5	64.10	65.2	65.7	66.0	66.5	66.9
7	57.11	58.4	58.8	59.1	59.6	59.11	60.4	60.8	61.1	61.6	61.11	62.3	62.8	63.1	63.6	63.11	64.3	64.8	65.1	65.6	65.11	66.3	66.8	67.1
7½	58.2	58.7	58.11	59.4	59.9	60.2	60.7	60.11	61.4	61.9	62.2	62.7	63.0	63.4	63.9	64.2	64.7	65.0	65.4	65.9	66.2	66.7	67.0	67.4
8	58.5	58.10	59.2	59.7	60.0	60.5	60.10	61.3	61.7	62.0	62.5	62.10	63.3	63.8	64.0	64.5	64.10	65.3	65.8	66.1	66.5	66.10	67.3	67.8

A TABLE OF FEET AND INCHES

From 9 Foot 8 Inches and a ½ by 6 Foot and ½ an Inch to 12 Foot 6 Inches by 7 Foot

	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I
F.I Parts	6.0½	6.1	6.1½	6.2	6.2½	6.3	6.3½	6.4	6.4½	6.5	6.5½	6.6	6.6½	6.7	6.7½	6.8	6.8½	6.9	6.9½	6.10	6.10½	6.11	6.11½	7.0
9.8½	58.8	59.1	59.6	59.10	60.3	60.8	61.1	61.6	61.11	62.4	62.8	63.1	63.6	63.11	64.4	64.9	65.2	65.6	65.11	66.4	66.9	67.2	67.7	67.11
9	58.11	59.4	59.9	60.2	60.8	60.11	61.4	61.9	62.3	62.7	63.0	63.5	63.9	64.2	64.7	65.0	65.5	65.10	66.3	66.8	67.0	67.5	67.10	68.3
9½	59.2	59.7	60.0	60.5	60.9	61.2	61.7	62.0	62.5	62.10	63.3	63.8	64.1	64.6	64.10	65.3	65.8	66.1	66.6	66.11	67.4	67.9	68.2	68.7
10	59.5	59.10	60.3	60.8	61.1	61.5	61.10	62.3	62.8	63.1	63.6	63.11	64.4	64.9	65.2	65.7	66.0	66.5	66.9	67.2	67.7	68.0	68.5	68.10
9.10½	59.8	60.1	60.6	60.11	61.4	61.9	62.2	62.6	62.11	63.4	63.9	64.2	64.7	65.0	65.5	65.10	66.3	66.8	67.1	67.6	67.11	68.4	68.9	69.1
11	59.11	60.4	60.9	61.2	61.7	62.0	62.5	62.10	63.3	63.8	64.1	64.6	64.10	65.3	65.8	66.1	66.6	66.11	67.4	67.9	68.2	68.7	69.0	69.5
11½	60.2	60.7	61.0	61.5	61.10	62.3	62.8	63.1	63.6	63.11	64.4	64.9	65.2	65.7	66.0	66.5	66.10	67.3	67.8	68.1	68.6	68.11	69.4	69.9
10.0	60.5	60.10	61.3	61.8	62.1	62.6	62.11	63.4	63.9	64.2	64.7	65.0	65.5	65.10	66.3	66.8	67.1	67.6	67.11	68.4	68.9	69.2	69.7	70.0
10.0½	60.8	61.1	61.6	61.11	62.4	62.9	63.2	63.7	64.0	64.5	64.10	65.3	65.8	66.1	66.6	66.11	67.4	67.9	68.2	68.7	69.0	69.5	69.10	70.4
1	60.11	61.4	61.9	62.2	62.7	63.0	63.5	63.10	64.3	64.8	65.1	65.6	66.0	66.5	66.10	67.3	67.8	68.1	68.6	68.11	69.4	69.9	70.2	70.7
1½	61.2	61.7	62.0	62.5	62.10	63.3	63.8	64.1	64.7	65.0	65.5	65.10	66.3	66.8	67.1	67.6	67.11	68.4	68.9	69.2	69.7	70.0	70.5	70.11
2	61.5	61.10	62.3	62.8	63.1	63.7	64.0	64.5	64.10	65.3	65.8	66.1	66.6	66.11	67.4	67.9	68.2	68.8	69.1	69.6	69.11	70.4	70.9	71.2
10.2½	61.8	62.0	62.6	62.11	63.5	63.10	64.3	64.8	65.1	65.6	65.11	66.4	66.9	67.2	67.8	68.1	68.6	68.11	69.4	69.9	70.2	70.7	71.0	71.6
3	61.11	62.4	62.9	63.3	63.8	64.1	64.6	64.11	65.4	65.9	66.2	66.8	67.1	67.6	67.11	68.4	68.9	69.2	69.7	70.1	70.6	70.11	71.4	71.9
3½	62.2	62.7	63.0	63.6	63.11	64.4	64.9	65.2	65.7	66.0	66.6	66.11	67.4	67.9	68.2	68.7	69.0	69.6	69.11	70.4	70.9	71.2	71.7	72.1
4	62.5	62.10	63.3	63.9	64.2	64.7	65.0	65.5	65.10	66.4	66.9	67.2	67.7	68.0	68.6	68.11	69.4	69.9	70.2	70.7	71.1	71.6	71.11	72.4
10.4½	62.8	63.1	63.7	64.0	64.5	64.10	65.3	65.8	66.2	66.7	67.0	67.5	67.10	68.4	68.9	69.2	69.7	70.0	70.6	70.11	71.4	71.9	72.2	72.8
5	62.11	63.4	63.10	64.3	64.8	65.1	65.6	66.0	66.5	66.10	67.3	67.9	68.2	68.7	69.0	69.5	69.11	70.4	70.9	71.2	71.7	72.1	72.6	72.11
5½	63.2	63.7	64.1	64.6	64.11	65.4	65.10	66.3	66.8	67.1	67.7	68.0	68.5	68.10	69.3	69.9	70.2	70.7	71.0	71.6	71.11	72.4	72.9	73.3
6	63.5	63.10	64.4	64.9	65.2	65.7	66.1	66.6	66.11	67.4	67.10	68.3	68.8	69.2	69.7	70.0	70.5	70.11	71.4	71.9	72.2	72.8	73.1	73.6
10.6½	63.8	64.2	64.7	65.0	65.5	65.11	66.4	66.9	67.2	67.8	68.1	68.6	69.0	69.5	69.10	70.3	70.9	71.2	71.7	72.0	72.6	72.11	73.4	73.9
7	63.11	64.5	64.10	65.3	65.8	66.2	66.7	67.0	67.6	67.11	68.4	68.10	69.3	69.8	70.1	70.7	71.0	71.5	71.11	72.4	72.9	73.2	73.8	74.1
7½	64.2	64.8	65.1	65.6	66.0	66.5	66.10	67.3	67.9	68.2	68.7	69.1	69.6	69.11	70.5	70.10	71.3	71.9	72.2	72.7	73.1	73.6	73.11	74.5
8	64.5	64.11	65.4	65.9	66.3	66.8	67.1	67.7	68.0	68.5	68.11	69.4	69.9	70.3	70.8	71.1	71.7	72.0	72.5	72.11	73.4	73.9	74.3	74.8
10.8½	64.8	65.2	65.7	66.0	66.6	66.11	67.4	67.10	68.3	68.9	69.2	69.7	70.1	70.6	70.11	71.5	71.10	72.3	72.9	73.2	73.7	74.1	74.6	74.11
9	64.11	65.5	65.10	66.3	66.9	67.2	67.8	68.1	68.6	69.0	69.5	69.11	70.4	70.9	71.3	71.8	72.1	72.7	73.0	73.6	73.11	74.4	74.10	75.3
9½	65.2	65.8	66.1	66.7	67.0	67.5	67.11	68.4	68.10	69.3	69.8	70.2	70.7	71.1	71.6	71.11	72.5	72.10	73.4	73.9	74.3	74.8	75.1	75.7
10	65.5	65.11	66.4	66.10	67.3	67.8	68.2	68.7	69.1	69.6	70.0	70.5	70.10	71.4	71.9	72.3	72.8	73.2	73.7	74.0	74.6	74.11	75.5	75.10
10.10½	65.8	66.2	66.7	67.1	67.6	68.0	68.5	68.10	69.4	69.9	70.3	70.8	71.2	71.7	72.1	72.6	72.11	73.5	73.10	74.4	74.9	75.3	75.8	76.2
11	65.11	66.5	66.10	67.4	67.9	68.3	68.8	69.2	69.7	70.1	70.6	71.0	71.5	71.10	72.4	72.9	73.3	73.8	74.2	74.7	75.1	75.6	76.0	76.5
11½	66.2	66.8	67.1	67.7	68.0	68.6	68.11	69.5	69.10	70.4	70.9	71.3	71.8	72.2	72.7	73.1	73.6	74.0	74.5	74.11	75.4	75.10	76.3	76.9
11.0	66.5	66.11	67.4	67.10	68.3	68.9	69.3	69.8	70.2	70.7	71.1	71.6	72.0	72.5	72.11	73.4	73.10	74.3	74.9	75.2	75.8	76.1	76.7	77.0
11.0½	66.8	67.2	67.8	68.1	68.7	69.0	69.6	69.11	70.5	70.10	71.4	71.9	72.3	72.8	73.2	73.7	74.1	74.6	75.0	75.5	75.11	76.4	76.10	77.4
1	67.0	67.5	67.11	68.4	68.10	69.3	69.9	70.2	70.8	71.1	71.7	72.1	72.6	73.0	73.5	73.11	74.4	74.10	75.3	75.9	76.2	76.8	77.1	77.7
1½	67.3	67.8	68.2	68.7	69.1	69.6	70.0	70.5	70.11	71.5	71.10	72.4	72.9	73.3	73.8	74.2	74.8	75.1	75.7	76.0	76.6	76.11	77.5	77.11
2	67.6	67.11	68.5	68.10	69.4	69.10	70.3	70.9	71.2	71.8	72.1	72.7	73.1	73.6	74.0	74.5	74.11	75.5	75.10	76.4	76.9	77.3	77.8	78.2
11.2½	67.9	68.2	68.8	69.1	69.7	70.1	70.6	71.0	71.5	71.11	72.5	72.10	73.4	73.9	74.3	74.9	75.2	75.8	76.1	76.7	77.1	77.6	78.0	78.6
3	68.0	68.5	68.11	69.4	69.10	70.4	70.9	71.3	71.9	72.2	72.8	73.2	73.7	74.1	74.6	75.0	75.6	75.11	76.5	76.11	77.4	77.10	78.3	78.9
3½	68.3	68.8	69.2	69.8	70.1	70.7	71.1	71.6	72.0	72.5	72.11	73.5	73.10	74.4	74.10	75.3	75.9	76.3	76.8	77.2	77.8	78.1	78.7	79.1
4	68.6	68.11	69.5	69.11	70.4	70.10	71.4	71.9	72.3	72.9	73.2	73.8	74.2	74.7	75.1	75.7	76.0	76.6	77.0	77.5	77.11	78.5	78.10	79.4
11.4½	68.9	69.2	69.8	70.2	70.7	71.1	71.7	72.1	72.6	73.0	73.6	73.11	74.5	74.11	75.4	75.10	76.4	76.9	77.3	77.9	78.2	78.8	79.2	79.8
5	69.0	69.5	69.11	70.5	70.11	71.4	71.10	72.4	72.9	73.3	73.9	74.3	74.8	75.2	75.8	76.1	76.7	77.1	77.6	78.0	78.6	79.0	79.5	79.11
5½	69.3	69.8	70.2	70.8	71.2	71.7	72.1	72.7	73.1	73.6	74.0	74.6	74.11	75.5	75.11	76.5	76.10	77.4	77.10	78.4	78.9	79.3	79.9	80.3
6	69.6	69.11	70.5	70.11	71.5	71.10	72.4	72.10	73.4	73.9	74.3	74.9	75.3	75.8	76.2	76.8	77.2	77.8	78.1	78.7	79.1	79.7	80.0	80.6
11.6½	69.9	70.3	70.8	71.2	71.8	72.2	72.7	73.1	73.7	74.1	74.6	75.0	75.6	76.0	76.6	76.11	77.5	77.11	78.5	78.10	79.4	79.10	80.4	80.10
7	70.0	70.6	70.11	71.5	71.11	72.5	72.11	73.4	73.10	74.4	74.10	75.4	75.9	76.3	76.9	77.3	77.8	78.2	78.8	79.2	79.8	80.1	80.7	81.1
7½	70.3	70.9	71.2	71.8	72.2	72.8	73.2	73.7	74.1	74.7	75.1	75.7	76.1	76.6	77.0	77.6	78.0	78.6	78.11	79.5	79.11	80.5	80.11	81.5
8	70.6	71.0	71.6	71.11	72.5	72.11	73.5	73.11	74.4	74.10	75.4	75.10	76.4	76.10	77.4	77.9	78.3	78.9	79.3	79.9	80.3	80.8	81.2	81.8
11.8½	70.9	71.3	71.9	72.2	72.8	73.2	73.8	74.2	74.8	75.2	75.7	76.1	76.7	77.1	77.7	78.1	78.7	79.0	79.6	80.0	80.6	81.0	81.6	82.0
9	71.0	71.6	72.0	72.5	72.11	73.5	73.11	74.5	74.11	75.5	75.11	76.5	76.10	77.4	77.10	78.4	78.10	79.4	79.10	80.4	80.9	81.3	81.9	82.3
9½	71.3	71.9	72.3	72.9	73.2	73.8	74.2	74.8	75.2	75.8	76.2	76.8	77.2	77.8	78.1	78.7	79.1	79.7	80.1	80.7	81.1	81.7	82.1	82.7
10	71.6	72.0	72.6	73.0	73.6	73.11	74.5	74.11	75.5	75.11	76.5	76.11	77.5	77.11	78.5	78.11	79.5	79.11	80.4	80.10	81.4	81.10	82.4	82.10
11.10½	71.9	72.3	72.9	73.3	73.9	74.3	74.9	75.2	75.8	76.2	76.8	77.2	77.8	78.2	78.8	79.2	79.8	80.2	80.8	81.2	81.8	82.2	82.8	83.2
11	72.0	72.6	73.0	73.6	74.0	74.6	75.0	75.6	76.0	76.6	77.0	77.6	77.11	78.5	78.11	79.5	79.11	80.5	80.11	81.5	81.11	82.5	82.11	83.5
11½	72.3	72.9	73.3	73.9	74.3	74.9	75.3	75.9	76.3	76.9	77.3	77.9	78.3	78.9	79.3	79.9	80.3	80.9	81.3	81.9	82.3	82.9	83.3	83.9
12.0	72.6	73.0	73.6	74.0	74.6	75.0	75.6	76.0	76.6	77.0	77.6	78.0	78.6	79.0	79.6	80.0	80.6	81.0	81.6	82.0	82.6	83.0	83.6	84.0
12.0½	72.9	73.3	73.9	74.3	74.9	75.3	75.9	76.3	76.9	77.3	77.9	78.3	78.9	79.3	79.9	80.3	80.9	81.3	81.9	82.3	82.9	83.3	83.9	84.4
1	73.0	73.6	74.0	74.6	75.0	75.6	76.0	76.6	77.0	77.6	78.0	78.7	79.1	79.7	80.1	80.7	81.1	81.7	82.1	82.7	83.1	83.7	84.1	84.7
1½	73.3	73.9	74.3	74.9	75.3	75.9	76.3	76.9	77.4	77.10	78.4	78.10	79.4	79.10	80.4	80.10	81.4	81.10	82.4	82.10	83.4	83.10	84.4	84.11
2	73.6	74.0	74.6	75.0	75.6	76.0	76.7	77.1	77.7	78.1	78.7	79.1	79.7	80.1	80.7	81.1	81.7	82.2	82.8	83.2	83.8	84.2	84.8	85.2
12.2½	73.9	74.3	74.9	75.3	75.10	76.4	76.10	77.4	77.10	78.4	78.10	79.4	79.10	80.4	80.11	81.5	81.11	82.5	82.11	83.5	83.11	84.5	84.11	85.6
3	74.0	74.6	75.0	75.7	76.1	76.7	77.1	77.7	78.1	78.7	79.1	79.8	80.2	80.8	81.2	81.8	82.2	82.8	83.2	83.8	84.3	84.9	85.3	85.9
3½	74.3	74.9	75.3	75.10	76.4	76.10	77.4	77.10	78.4	78.10	79.5	79.11	80.5	80.11	81.5	81.11	82.5	83.0	83.6	84.0	84.6	85.0	85.6	86.1
4	74.6	75.0	75.7	76.1	76.7	77.1	77.7	78.1	78.7	79.2	79.8	80.2	80.8	81.2	81.9	82.3	82.9	83.3	83.9	84.3	84.10	85.4	85.10	86.4
12.4½	74.9	75.3	75.10	76.4	76.10	77.4	77.10	78.4	78.11	79.5	79.11	80.5	80.11	81.6	82.0	82.6	83.0	83.6	84.1	84.7	85.1	85.7	86.1	86.8
5	75.0	75.6	76.1	76.7	77.1	77.7	78.1	78.8	79.2	79.8	80.2	80.9	81.3	81.9	82.3	82.9	83.4	83.10	84.4	84.10	85.4	85.11	86.5	86.11
5½	75.3	75.9	76.4	76.10	77.4	77.10	78.5	78.11	79.5	79.11	80.6	81.0	81.6	82.0	82.6	83.1	83.7	84.1	84.7	85.2	85.8	86.2	86.8	87.3
6	75.6	76.0	76.7	77.1	77.7	78.2	78.8	79.2	79.8	80.2	80.9	81.3	81.9	82.4	82.10	83.4	83.10	84.5	84.11	85.5	85.11	86.6	87.0	87.6

From 7 Foot and ½ an Inch by 7 Foot and ½ an Inch to 8 Foot 6 Inches by 8 Foot

	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I
F.I Parts	7.0½	7.1	7.1½	7.2	7.2½	7.3	7.3½	7.4	7.4½	7.5	7.5½	7.6	7.6½	7.7	7.7½	7.8	7.8½	7.9	7.9½	7.10	7.10½	7.11	7.11½	8.0
7.0½	49.7																							
1	49.11	50.2																						
1½	50.2	50.6	50.9																					
2	50.6	50.9	51.1	51.4																				
7.2½	50.9	51.1	51.4	51.8	52.0																			
3	51.1	51.4	51.8	51.11	52.3	52.7																		
3½	51.4	51.8	51.11	52.3	52.7	52.10	53.2																	
4	51.8	51.11	52.3	52.7	52.10	53.2	53.6	53.9																
7.4½	51.11	52.3	52.7	52.10	53.2	53.6	53.9	54.1	54.5															
5	52.3	52.6	52.10	53.1	53.6	53.9	54.1	54.5	54.8	55.0														
5½	52.6	52.10	53.2	53.5	53.9	54.1	54.5	54.8	55.0	55.4	55.8													
6	52.10	53.2	53.5	53.9	54.1	54.5	54.8	55.0	55.4	55.8	55.11	56.3												
7.6½	53.1	53.5	53.9	54.1	54.4	54.8	55.0	55.4	55.7	55.11	56.3	56.7	56.11											
7	53.5	53.9	54.0	54.4	54.8	55.0	55.4	55.7	55.11	56.3	56.7	56.11	57.2	57.6										
7½	53.8	54.0	54.4	54.8	55.0	55.3	55.7	55.11	56.3	56.7	56.10	57.2	57.6	57.10	58.3									
8	54.0	54.4	54.8	54.11	55.3	55.7	55.11	56.3	56.7	56.10	57.2	57.6	57.10	58.2	58.6	59.8								
7.8½	54.3	54.7	54.11	55.3	55.7	55.11	56.2	56.6	56.10	57.2	57.6	57.10	58.2	58.5	58.9	59.1	59.5							
9	54.7	54.11	55.3	55.7	55.10	56.2	56.6	56.10	57.2	57.6	57.10	58.2	58.5	58.9	59.1	59.5	59.9	60.1						
9½	54.10	55.2	55.6	55.10	56.2	56.6	56.10	57.2	57.6	57.9	58.1	58.5	58.9	59.1	59.5	59.9	60.1	60.5	60.9					
10	55.2	55.6	55.10	56.2	56.6	56.10	57.1	57.5	57.9	58.1	58.5	58.9	59.1	59.5	59.9	60.1	60.5	60.9	61.0	61.4				
7.10½	55.5	55.9	56.1	56.5	56.9	57.1	57.5	57.9	58.1	58.5	58.9	59.1	59.5	59.9	60.1	60.5	60.8	61.0	61.4	61.8	62.0			
11	55.9	56.1	56.5	56.9	57.1	57.5	57.9	58.1	58.5	58.8	59.0	59.4	59.8	60.0	60.4	60.8	61.0	61.4	61.8	62.0	62.4	62.8		
11½	56.0	56.4	56.8	57.0	57.4	57.8	58.0	58.4	58.8	59.0	59.4	59.8	60.0	60.4	60.8	61.0	61.4	61.8	62.0	62.4	62.8	63.0	63.4	
8.0	56.4	56.8	57.0	57.4	57.8	58.0	58.4	58.8	59.0	59.4	59.8	60.0	60.4	60.8	61.0	61.4	61.8	62.0	62.4	62.8	63.0	63.4	63.8	64.0
8.0½	56.8	57.0	57.4	57.8	58.0	58.4	58.8	59.0	59.4	59.8	60.0	60.4	60.8	61.0	61.4	61.8	62.0	62.4	62.8	63.0	63.4	63.8	64.0	64.4
1	56.11	57.3	57.7	57.11	58.3	58.7	58.11	59.3	59.7	59.11	60.3	60.8	61.0	61.4	61.8	62.0	62.4	62.8	63.0	63.4	63.8	64.0	64.4	64.8
1½	57.3	57.7	57.11	58.3	58.7	58.11	59.3	59.7	59.11	60.3	60.7	60.11	61.3	61.7	61.11	62.4	62.8	63.0	63.4	63.8	64.0	64.4	64.8	65.0
2	57.6	57.10	58.2	58.6	58.10	59.3	59.7	59.11	60.3	60.7	60.11	61.3	61.7	61.11	62.3	62.7	62.11	63.4	63.8	64.0	64.4	64.8	65.0	65.4
8.2½	57.10	58.2	58.6	58.10	59.2	59.6	59.10	60.2	60.6	60.11	61.3	61.7	61.11	62.3	62.7	62.11	63.3	63.7	63.11	64.4	64.8	65.0	65.4	65.8
3	58.1	58.5	58.9	59.2	59.6	59.10	60.2	60.6	60.10	61.2	61.6	61.11	62.3	62.7	62.11	63.3	63.7	63.11	64.3	64.8	65.0	65.4	65.8	66.0
3½	58.5	58.9	59.1	59.5	59.9	60.1	60.6	60.10	61.2	61.6	61.10	62.2	62.6	62.11	63.3	63.7	63.11	64.3	64.7	64.11	65.4	65.8	66.0	66.4
4	58.8	59.0	59.5	59.9	60.1	60.5	60.9	61.1	61.6	61.10	62.2	62.6	62.10	63.2	63.7	63.11	64.3	64.7	64.11	65.3	65.8	66.0	66.4	66.8
8.4½	59.0	59.4	59.8	60.0	60.4	60.9	61.1	61.5	61.9	62.1	62.6	62.10	63.2	63.6	63.10	64.3	64.7	64.11	65.3	65.7	65.11	66.4	66.8	67.0
5	59.3	59.7	60.0	60.4	60.8	61.0	61.4	61.9	62.1	62.5	62.9	63.2	63.6	63.10	64.2	64.6	64.11	65.3	65.7	65.11	66.3	66.8	67.0	67.4
5½	59.7	59.11	60.3	60.7	61.0	61.4	61.8	62.0	62.5	62.9	63.1	63.5	63.9	64.2	64.6	64.10	65.2	65.7	65.11	66.3	66.7	67.0	67.4	67.8
6	59.10	60.3	60.7	60.11	61.3	61.8	62.0	62.4	62.8	63.1	63.5	63.9	64.1	64.6	64.10	65.2	65.6	65.11	66.3	66.7	66.11	67.3	67.8	68.0

A TABLE OF FEET AND INCHES

From 8 Foot 6 Inches and a ½ by 7 Foot and ½ an inch to 12 Foot 6 Inches by 8 Foot

	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I
F.I Parts	7.0½	7.1	7.1½	7.2	7.2½	7.3	7.3½	7.4	7.4½	7.5	7.5½	7.6	7.6½	7.7	7.7½	7.8	7.8½	7.9	7.9½	7.10	7.10½	7.11	7.11½	8.0
8.6½	60.2	60.6	60.10	61.3	61.7	61.11	62.3	62.8	63.0	63.4	63.8	64.1	64.5	64.9	65.2	65.6	65.10	66.2	66.7	66.11	67.3	67.7	68.0	68.4
7	60.5	60.10	61.2	61.6	61.10	62.3	62.7	62.10	63.4	63.8	64.0	64.4	64.9	65.1	65.5	65.10	66.2	66.6	66.11	67.3	67.7	67.11	68.4	68.8
7½	60.9	61.1	61.5	61.10	62.2	62.6	62.11	63.3	63.7	64.0	64.4	64.8	65.1	65.5	65.9	66.1	66.6	66.10	67.2	67.7	67.11	68.3	68.8	69.0
8	61.0	61.5	61.9	62.1	62.6	62.10	63.2	63.7	63.11	64.3	64.8	65.0	65.4	65.9	66.1	66.5	66.10	67.2	67.6	67.11	68.3	68.7	69.0	69.4
8.8½	61.4	61.8	62.1	62.5	62.9	63.2	63.6	63.10	64.3	64.7	64.11	65.4	65.8	66.0	66.5	66.9	67.2	67.6	67.10	68.3	68.7	68.11	69.4	69.8
9	61.7	62.0	62.4	62.8	63.1	63.5	63.10	64.2	64.6	64.11	65.3	65.7	66.0	66.4	66.9	67.1	67.5	67.10	68.2	68.6	68.11	69.3	69.8	70.0
9½	61.11	62.3	62.8	63.0	63.4	63.9	64.1	64.6	64.10	65.2	65.7	65.11	66.4	66.8	67.0	67.5	67.9	68.2	68.6	68.10	69.3	69.7	70.0	70.4
10	62.2	62.7	62.11	63.4	63.8	64.0	64.5	64.9	65.2	65.6	65.11	66.3	66.7	67.0	67.4	67.9	68.1	68.5	68.10	69.2	69.7	69.11	70.4	70.8
8.10½	62.6	62.10	63.3	63.7	64.0	64.4	64.9	65.1	65.5	65.10	66.2	66.7	66.11	67.4	67.8	68.0	68.5	68.9	69.2	69.6	69.11	70.3	70.8	71.0
11	62.9	63.2	63.6	63.11	64.3	64.8	65.0	65.5	65.9	66.2	66.6	66.10	67.3	67.7	68.0	68.4	68.9	69.1	69.6	69.10	70.3	70.7	71.0	71.4
11½	63.1	63.5	63.10	64.2	64.7	64.11	65.4	65.8	66.1	66.5	66.10	67.2	67.7	67.11	68.4	68.8	69.1	69.5	69.10	70.2	70.7	70.11	71.4	71.8
9.0	63.4	63.9	64.1	64.6	64.10	65.3	65.7	66.0	66.4	66.9	67.1	67.6	67.10	68.3	68.7	69.0	69.4	69.9	70.1	70.6	70.10	71.3	71.7	72.0
9.0½	63.8	64.1	64.5	64.10	65.2	65.7	65.11	66.4	66.8	67.1	67.5	67.10	68.2	68.7	68.11	69.4	69.8	70.1	70.5	70.10	71.2	71.7	71.11	72.4
1	64.0	64.4	64.9	65.1	65.6	65.10	66.3	66.7	67.0	67.4	67.9	68.1	68.6	68.11	69.3	69.8	70.0	70.5	70.9	71.2	71.6	71.11	72.3	72.8
1½	64.3	64.8	65.0	65.5	65.9	66.2	66.6	66.11	67.4	67.8	68.1	68.5	68.10	69.2	69.7	69.11	70.4	70.9	71.1	71.6	71.10	72.3	72.7	73.0
2	64.7	64.11	65.4	65.8	66.1	66.5	66.10	67.3	67.7	68.0	68.4	68.9	69.2	69.6	69.11	70.3	70.8	71.0	71.5	71.10	72.2	72.7	72.11	73.4
9.2½	64.10	65.3	65.7	66.0	66.5	66.9	67.2	67.6	67.11	68.4	68.8	69.1	69.5	69.10	70.3	70.7	71.0	71.4	71.9	72.2	72.6	72.11	73.3	73.8
3	65.2	65.6	65.11	66.3	66.8	67.1	67.5	67.10	68.3	68.7	69.0	69.4	69.9	70.2	70.6	70.11	71.4	71.8	72.1	72.5	72.10	73.3	73.7	74.0
3½	65.5	65.10	66.2	66.7	67.0	67.4	67.9	68.2	68.6	68.11	69.4	69.8	70.1	70.6	70.10	71.3	71.7	72.0	72.5	72.9	73.2	73.7	73.11	74.4
4	65.9	66.1	66.6	66.11	67.3	67.8	68.1	68.5	68.10	69.3	69.7	70.0	70.5	70.9	71.2	71.7	71.11	72.4	72.9	73.1	73.6	73.11	74.3	74.8
9.4½	66.0	66.5	66.10	67.2	67.7	68.0	68.4	68.9	69.2	69.6	69.11	70.4	70.8	71.1	71.6	71.10	72.3	72.8	73.1	73.5	73.10	74.3	74.7	75.0
5	66.4	66.8	67.1	67.6	67.11	68.3	68.8	69.1	69.5	69.10	70.3	70.7	71.0	71.5	71.10	72.2	72.7	73.0	73.4	73.9	74.2	74.7	74.11	75.4
5½	66.7	67.0	67.5	67.9	68.2	68.7	69.0	69.4	69.9	70.2	70.7	70.11	71.4	71.9	72.1	72.6	72.11	73.4	73.8	74.1	74.6	74.11	75.3	75.8
6	66.11	67.3	67.8	68.1	68.6	68.10	69.3	69.8	70.1	70.5	70.10	71.3	71.8	72.0	72.5	72.10	73.3	73.7	74.0	74.5	74.10	75.2	75.7	76.0
9.6½	67.2	67.7	68.0	68.5	68.9	69.2	69.7	70.0	70.4	70.9	71.2	71.7	72.0	72.4	72.9	73.2	73.7	73.11	74.4	74.9	75.2	75.6	75.11	76.4
7	67.6	67.11	68.3	68.8	69.1	69.6	69.11	70.3	70.8	71.1	71.6	71.10	72.3	72.8	73.1	73.6	73.10	74.3	74.8	75.1	75.6	75.10	76.3	76.8
7½	67.9	68.2	68.7	69.0	69.5	69.9	70.2	70.7	71.0	71.5	71.9	72.2	72.7	73.0	73.5	73.9	74.2	74.7	75.0	75.5	75.10	76.2	76.7	77.0
8	68.1	68.6	68.10	69.3	69.8	70.1	70.6	70.11	71.3	71.8	72.1	72.6	72.11	73.4	73.8	74.1	74.6	74.11	75.4	75.9	76.1	76.6	76.11	77.4
9.8½	68.4	68.9	69.2	69.7	70.0	70.5	70.9	71.2	71.7	72.0	72.5	72.10	73.3	73.7	74.0	74.5	74.10	75.3	75.8	76.1	76.5	76.10	77.3	77.8
9	68.8	69.1	69.6	69.10	70.3	70.8	71.1	71.6	71.11	72.4	72.9	73.1	73.6	73.11	74.4	74.9	75.2	75.7	76.0	76.4	76.9	77.2	77.7	78.0
9½	68.11	69.4	69.9	70.2	70.7	71.0	71.5	71.10	72.3	72.7	73.0	73.5	73.10	74.3	74.8	75.1	75.6	75.11	76.4	76.8	77.1	77.6	77.11	78.4
10	69.3	69.8	70.1	70.6	70.11	71.3	71.8	72.1	72.6	72.11	73.4	73.9	74.2	74.7	75.0	75.5	75.10	76.2	76.7	77.0	77.5	77.10	78.3	78.8
9.10½	69.6	69.11	70.4	70.9	71.2	71.7	72.0	72.5	72.10	73.3	73.8	74.1	74.6	74.11	75.4	75.8	76.1	76.6	76.11	77.4	77.9	78.2	78.7	79.0
11	69.10	70.3	70.8	71.1	71.6	71.11	72.4	72.9	73.2	73.7	74.0	74.4	74.9	75.2	75.7	76.0	76.5	76.10	77.3	77.8	78.1	78.6	78.11	79.4
11½	70.1	70.6	70.11	71.4	71.9	72.2	72.7	73.0	73.5	73.10	74.3	74.8	75.1	75.6	75.11	76.4	76.9	77.2	77.7	78.0	78.5	78.10	79.3	79.8
10.0	70.5	70.10	71.3	71.8	72.1	72.6	72.11	73.4	73.9	74.2	74.7	75.0	75.5	75.10	76.3	76.8	77.1	77.6	77.11	78.4	78.9	79.2	79.7	80.0
10.0½	70.9	71.2	71.7	72.0	72.5	72.10	73.3	73.8	74.1	74.6	74.11	75.4	75.9	76.2	76.7	77.0	77.5	77.10	78.3	78.8	79.1	79.6	79.11	80.4
1	71.0	71.5	71.10	72.3	72.8	73.1	73.6	73.11	74.4	74.9	75.2	75.7	76.1	76.6	76.11	77.4	77.9	78.2	78.7	79.0	79.5	79.10	80.3	80.8
1½	71.4	71.9	72.2	72.7	73.0	73.5	73.10	74.3	74.8	75.1	75.6	75.11	76.4	76.9	77.2	77.7	78.1	78.6	78.11	79.4	79.9	80.2	80.7	81.0
2	71.7	72.0	72.5	72.10	73.3	73.8	74.2	74.7	75.0	75.5	75.10	76.3	76.8	77.1	77.6	77.11	78.4	78.9	79.3	79.8	80.1	80.6	80.11	81.4
10.2½	71.11	72.4	72.9	73.2	73.7	74.0	74.5	74.10	75.3	75.9	76.2	76.7	77.0	77.5	77.10	78.3	78.8	79.1	79.6	80.0	80.5	80.10	81.3	81.8
3	72.2	72.7	73.0	73.5	73.11	74.4	74.9	75.2	75.7	76.0	76.5	76.10	77.4	77.9	78.2	78.7	79.0	79.5	79.10	80.3	80.9	81.2	81.7	82.0
3½	72.6	72.11	73.4	73.9	74.2	74.7	75.1	75.6	75.11	76.4	76.9	77.2	77.7	78.1	78.6	78.11	79.4	79.9	80.2	80.7	81.1	81.6	81.11	82.4
4	72.9	73.2	73.7	74.1	74.6	74.11	75.4	75.9	76.2	76.8	77.1	77.6	77.11	78.4	78.9	79.3	79.8	80.1	80.6	80.11	81.4	81.10	82.3	82.8
10.4½	73.1	73.6	73.11	74.4	74.9	75.3	75.8	76.1	76.6	76.11	77.5	77.10	78.3	78.8	79.1	79.6	80.0	80.5	80.10	81.3	81.8	82.2	82.7	83.0
5	73.4	73.9	74.3	74.8	75.1	75.6	75.11	76.5	76.10	77.3	77.8	78.1	78.7	79.0	79.5	79.10	80.4	80.9	81.2	81.7	82.0	82.6	82.11	83.4
5½	73.8	74.1	74.6	74.11	75.5	75.10	76.3	76.8	77.2	77.7	78.0	78.5	78.10	79.4	79.9	80.2	80.7	81.1	81.6	81.11	82.4	82.10	83.3	83.8
6	73.11	74.4	74.10	75.3	75.8	76.1	76.7	77.0	77.5	77.10	78.4	78.9	79.2	79.7	80.1	80.6	80.11	81.4	81.10	82.3	82.8	83.1	83.7	84.0
10.6½	74.3	74.8	75.1	75.7	76.0	76.5	76.10	77.4	77.9	78.2	78.7	79.1	79.6	79.11	80.5	80.10	81.3	81.8	82.2	82.7	83.0	83.5	83.11	84.4
7	74.6	75.0	75.5	75.10	76.3	76.9	77.2	77.7	78.1	78.6	78.11	79.4	79.10	80.3	80.8	81.2	81.7	82.0	82.6	82.11	83.4	83.9	84.3	84.8
7½	74.10	75.3	75.8	76.2	76.7	77.0	77.6	77.11	78.4	78.10	79.3	79.8	80.2	80.7	81.0	81.5	81.11	82.4	82.9	83.3	83.8	84.1	84.7	85.0
8	75.1	75.7	76.0	76.5	76.11	77.4	77.9	78.3	78.8	79.1	79.7	80.0	80.5	80.11	81.4	81.9	82.3	82.8	83.1	83.7	84.0	84.5	84.11	85.4
10.8½	75.5	75.10	76.4	76.9	77.2	77.8	78.1	78.6	79.0	79.5	79.10	80.4	80.9	81.2	81.8	82.1	82.7	83.0	83.5	83.11	84.4	84.9	85.3	85.8
9	75.8	76.2	76.7	77.0	77.6	77.11	78.5	78.10	79.3	79.9	80.2	80.7	81.1	81.6	82.0	82.5	82.10	83.4	83.9	84.2	84.8	85.1	85.7	86.0
9½	76.0	76.5	76.11	77.4	77.9	78.3	78.8	79.2	79.7	80.0	80.6	80.11	81.5	81.10	82.3	82.9	83.2	83.8	84.1	84.6	85.0	85.5	85.11	86.4
10	76.3	76.9	77.2	77.8	78.1	78.6	79.0	79.5	79.11	80.4	80.10	81.3	81.8	82.2	82.7	83.1	83.6	83.11	84.5	84.10	85.4	85.9	86.3	86.8
10.10½	76.7	77.0	77.6	77.11	78.5	78.10	79.4	79.9	80.2	80.8	81.1	81.7	82.0	82.6	82.11	83.4	83.10	84.3	84.9	85.2	85.8	86.1	86.7	87.0
11	76.10	77.4	77.9	78.3	78.8	79.2	79.7	80.1	80.6	81.0	81.5	81.10	82.4	82.9	83.3	83.8	84.2	84.7	85.1	85.6	86.0	86.5	86.11	87.4
11½	77.2	77.7	78.1	78.6	79.0	79.5	79.11	80.4	80.10	81.3	81.9	82.2	82.8	83.1	83.7	84.0	84.6	84.11	85.5	85.10	86.4	86.9	87.3	87.8
11.0	77.5	77.11	78.4	78.10	79.3	79.9	80.2	80.8	81.1	81.7	82.0	82.6	82.11	83.5	83.10	84.4	84.9	85.3	85.8	86.2	86.7	87.1	87.6	88.0
11.0½	77.9	78.3	78.8	79.2	79.7	80.1	80.6	81.0	81.5	81.11	82.4	82.10	83.3	83.9	84.2	84.8	85.1	85.7	86.0	86.6	86.11	87.5	87.10	88.4
1	78.1	78.6	79.0	79.5	79.11	80.4	80.10	81.3	81.9	82.2	82.8	83.1	83.7	84.1	84.6	85.0	85.5	85.11	86.4	86.10	87.3	87.9	88.2	88.8
1½	78.4	78.10	79.3	79.9	80.2	80.8	81.1	81.7	82.1	82.6	83.0	83.5	83.11	84.4	84.10	85.3	85.9	86.3	86.8	87.2	87.7	88.1	88.6	89.0
2	78.8	79.1	79.7	80.0	80.6	80.11	81.5	81.11	82.4	82.10	83.3	83.9	84.3	84.8	85.2	85.7	86.1	86.6	87.0	87.6	87.11	88.5	88.10	89.4
11.2½	78.11	79.5	79.10	80.4	80.10	81.3	81.9	82.2	82.8	83.2	83.7	84.1	84.6	85.0	85.6	85.11	86.5	86.10	87.4	87.10	88.3	88.9	89.2	89.8
3	79.3	79.8	80.2	80.7	81.1	81.7	82.0	82.6	83.0	83.5	83.11	84.4	84.10	85.4	85.9	86.3	86.9	87.2	87.8	88.1	88.7	89.1	89.6	90.0
3½	79.6	80.0	80.5	80.11	81.5	81.10	82.4	82.10	83.3	83.9	84.3	84.8	85.2	85.8	86.1	86.7	87.0	87.6	88.0	88.5	88.11	89.5	89.10	90.4
4	79.10	80.3	80.9	81.3	81.8	82.2	82.8	83.1	83.7	84.1	84.6	85.0	85.6	85.11	86.5	86.11	87.4	87.10	88.4	88.9	89.3	89.9	90.2	90.8
11.4½	80.1	80.7	81.1	81.6	82.0	82.6	82.11	83.5	83.11	84.4	84.10	85.4	85.9	86.3	86.9	87.2	87.8	88.2	88.8	89.1	89.7	90.1	90.6	91.0
5	80.5	80.10	81.4	81.10	82.4	82.9	83.3	83.9	84.2	84.8	85.2	85.7	86.1	86.7	87.1	87.6	88.0	88.6	88.11	89.5	89.11	90.5	90.10	91.4
5½	80.8	81.2	81.8	82.1	82.7	83.1	83.7	84.0	84.6	85.0	85.6	85.11	86.5	86.11	87.4	87.10	88.4	88.10	89.3	89.9	90.3	90.9	91.2	91.8
6	81.0	81.5	81.11	82.5	82.11	83.4	83.10	84.4	84.10	85.3	85.9	86.3	86.9	87.2	87.8	88.2	88.8	89.1	89.7	90.1	90.7	91.0	91.6	92.0
11.6½	81.3	81.9	82.3	82.9	83.2	83.8	84.2	84.8	85.1	85.7	86.1	86.7	87.1	87.6	88.0	88.6	89.0	89.5	89.11	90.5	90.11	91.4	91.10	92.4
7	81.7	82.1	82.6	83.0	83.6	84.0	84.6	84.11	85.5	85.11	86.5	86.10	87.4	87.10	88.4	88.10	89.3	89.9	90.3	90.9	91.3	91.8	92.2	92.8
7½	81.10	82.4	82.10	83.4	83.10	84.3	84.9	85.3	85.9	86.3	86.8	87.2	87.8	88.2	88.8	89.1	89.7	90.1	90.7	91.1	91.7	92.0	92.6	93.0
8	82.2	82.8	83.1	83.7	84.1	84.7	85.1	85.7	86.0	86.6	87.0	87.6	88.0	88.6	88.11	89.5	89.11	90.5	90.11	91.5	91.10	92.4	92.10	93.4
11.8½	82.5	82.11	83.5	83.11	84.5	84.11	85.4	85.10	86.4	86.10	87.4	87.10	88.4	88.9	89.3	89.9	90.3	90.9	91.3	91.9	92.2	92.8	93.2	93.8
9	82.9	83.3	83.9	84.2	84.8	85.2	85.8	86.2	86.8	87.2	87.8	88.1	88.7	89.1	89.7	90.1	90.7	91.1	91.7	92.0	92.6	93.0	93.6	94.0
9½	83.0	83.6	84.0	84.6	85.0	85.6	86.0	86.6	87.0	87.5	87.11	88.5	88.11	89.5	89.11	90.5	90.11	91.5	91.11	92.4	92.10	93.4	93.10	94.4
10	83.4	83.10	84.4	84.10	85.4	85.9	86.3	86.9	87.3	87.9	88.3	88.9	89.3	89.9	90.3	90.9	91.3	91.8	92.2	92.8	93.2	93.8	94.2	94.8
11.10½	83.7	84.1	84.7	85.1	85.7	86.1	86.7	87.1	87.7	88.1	88.7	89.1	89.7	90.1	90.7	91.0	91.6	92.0	92.6	93.0	93.6	94.0	94.6	95.0
11	83.11	84.5	84.11	85.5	85.11	86.5	86.11	87.5	87.11	88.5	88.11	89.4	89.10	90.4	90.10	91.4	91.10	92.4	92.10	93.4	93.10	94.4	94.10	95.4
11½	84.2	84.8	85.2	85.8	86.2	86.8	87.2	87.8	88.2	88.8	89.2	89.8	90.2	90.8	91.2	91.8	92.2	92.8	93.2	93.8	94.2	94.8	95.2	95.8
12.0	84.6	85.0	85.6	86.0	86.6	87.0	87.6	88.0	88.6	89.0	89.6	90.0	90.6	91.0	91.6	92.0	92.6	93.0	93.6	94.0	94.6	95.0	95.6	96.0
12.0½	84.9	85.4	85.10	86.4	86.10	87.4	87.10	88.4	88.10	89.4	89.10	90.4	90.10	91.4	91.10	92.4	92.10	93.4	93.10	94.4	94.10	95.4	95.10	96.4
1	85.1	85.7	86.1	86.7	87.1	87.7	88.1	88.7	89.1	89.7	90.1	90.7	91.2	91.8	92.2	92.8	93.2	93.8	94.2	94.8	95.2	95.8	96.2	96.8
1½	85.5	85.11	86.5	86.11	87.5	87.11	88.5	88.11	89.5	89.11	90.5	90.11	91.5	91.11	92.5	92.11	93.6	94.0	94.6	95.0	95.6	96.0	96.6	97.0
2	85.8	86.2	86.8	87.2	87.8	88.2	88.9	89.3	89.9	90.3	90.9	91.3	91.9	92.3	92.9	93.3	93.9	94.3	94.10	95.4	95.10	96.4	96.10	97.4
12.2½	86.0	86.6	87.0	87.6	88.0	88.6	89.0	89.6	90.0	90.7	91.1	91.7	92.1	92.7	93.1	93.7	94.1	94.7	95.1	95.8	96.2	96.8	97.2	97.8
3	86.3	86.9	87.3	87.9	88.4	88.10	89.4	89.10	90.4	90.10	91.4	91.10	92.5	92.11	93.5	93.11	94.5	94.11	95.5	95.11	96.6	97.0	97.6	98.0
3½	86.7	87.1	87.7	88.1	88.7	89.1	89.8	90.2	90.8	91.2	91.8	92.2	92.8	93.3	93.9	94.3	94.9	95.3	95.9	96.3	96.10	97.4	97.10	98.4
4	86.10	87.4	87.10	88.5	88.11	89.5	89.11	90.5	90.11	91.6	92.0	92.6	93.0	93.6	94.0	94.7	95.1	95.7	96.1	96.7	97.1	97.8	98.2	98.8
12.4½	87.2	87.8	88.2	88.8	89.2	89.9	90.3	90.9	91.3	91.9	92.4	92.10	93.4	93.10	94.4	94.10	95.5	95.11	96.5	96.11	97.5	98.0	98.6	99.0
5	87.5	87.11	88.6	89.0	89.6	90.0	90.6	91.1	91.7	92.1	92.7	93.1	93.8	94.2	94.8	95.2	95.9	96.3	96.9	97.3	97.9	98.4	98.10	99.4
5½	87.9	88.3	88.9	89.3	89.10	90.4	90.10	91.4	91.11	92.5	92.11	93.5	93.11	94.6	95.0	95.6	96.0	96.7	97.1	97.7	98.1	98.8	99.1	99.8
6	88.0	88.6	89.1	89.7	90.1	90.7	91.2	91.8	92.2	92.8	93.3	93.9	94.3	94.9	95.4	95.10	96.4	96.10	97.5	97.11	98.5	98.11	99.6	100.0

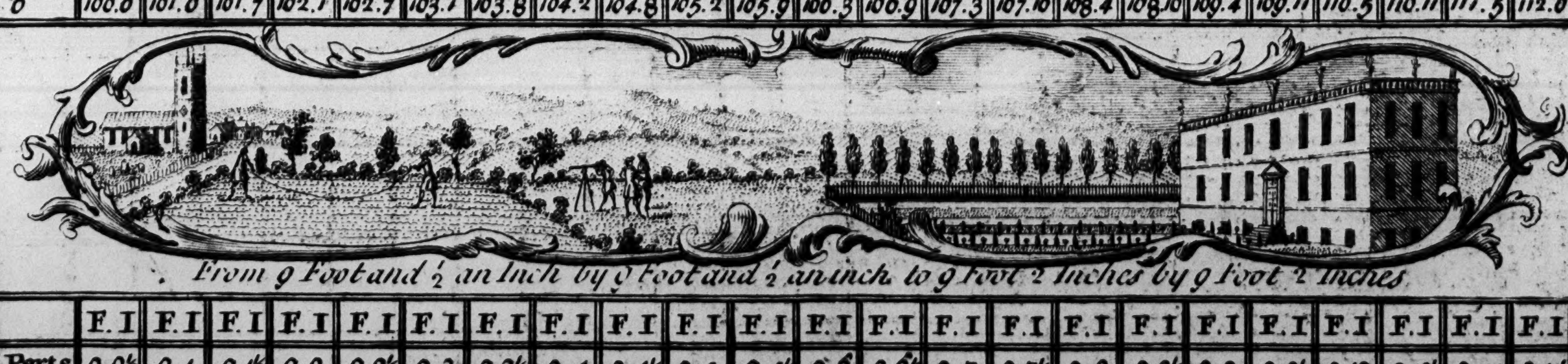
From 8 Foot and ½ an Inch by 8 Foot and ½ an Inch to 8 foot 4 inches by 8 foot 4 Inches

	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I
F.I Parts	8.0½	8.1	8.1½	8.2	8.2½	8.3	8.3½	8.4	8.4½	8.5	8.5½	8.6	8.6½	8.7	8.7½	8.8	8.8½	8.9	8.9½	8.10	8.10½	8.11	8.11½	9.0
8.0½	64.8																							
1	65.0	65.4																						
1½	65.4	65.8	66.0																					
2	65.8	66.0	66.4	66.8																				
8.2½	66.0	66.4	66.8	67.0	67.5																			
3	66.4	66.8	67.0	67.4	67.9	68.1																		
3½	66.8	67.0	67.4	67.9	68.1	68.5	68.9																	
4	67.0	67.4	67.8	68.1	68.5	68.9	69.1	69.5																

A TABLE OF FEET AND INCHES

From 8 Foot 4 Inches and a ½ by 8 Foot and ½ an Inch to 12 Foot 6 Inches by 9 Foot

	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I
F.I. Parts	8.0½	8.1	8.1½	8.2	8.2½	8.3	8.3½	8.4	8.4½	8.5	8.5½	8.6	8.6½	8.7	8.7½	8.8	8.8½	8.9	8.9½	8.10	8.10½	8.11	8.11½	9.0
8.4½	67.4	67.8	68.1	68.5	68.9	69.1	69.5	69.9	70.2															
5	67.8	68.0	68.5	68.9	69.1	69.5	69.9	70.2	70.6	70.10														
5½	68.0	68.4	68.9	69.1	69.5	69.9	70.2	70.6	70.10	71.2	71.6													
6	68.4	68.8	69.1	69.5	69.9	70.1	70.6	70.10	71.2	71.6	71.10	72.3												
8.6½	68.8	69.1	69.5	69.9	70.1	70.6	70.10	71.2	71.6	71.11	72.3	72.7	72.11											
7	69.0	69.5	69.9	70.1	70.5	70.10	71.2	71.6	71.11	72.3	72.7	72.11	73.4	73.8										
7½	69.4	69.9	70.1	70.5	70.10	71.2	71.6	71.10	72.3	72.7	72.11	73.4	73.8	74.0	74.4									
8	69.8	70.1	70.5	70.9	71.2	71.6	71.10	72.3	72.7	72.11	73.4	73.8	74.0	74.5	74.9	75.1								
8.8½	70.0	70.5	70.9	71.1	71.6	71.10	72.2	72.7	72.11	73.4	73.8	74.0	74.5	74.9	75.1	75.6	75.10							
9	70.4	70.9	71.1	71.5	71.10	72.2	72.7	72.11	73.3	73.8	74.0	74.4	74.9	75.1	75.6	75.10	76.2	76.7						
9½	70.8	71.1	71.5	71.10	72.2	72.6	72.11	73.3	73.8	74.0	74.4	74.9	75.1	75.6	75.10	76.2	76.7	76.11	77.4					
10	71.0	71.5	71.9	72.2	72.6	72.10	73.3	73.7	74.0	74.4	74.9	75.1	75.5	75.10	76.2	76.7	76.11	77.3	77.8	78.0				
8.10½	71.4	71.9	72.1	72.6	72.10	73.3	73.7	73.11	74.4	74.8	75.1	75.5	75.10	76.2	76.7	76.11	77.3	77.8	78.0	78.5	78.9			
11	71.8	72.1	72.5	72.10	73.2	73.7	73.11	74.4	74.8	75.1	75.5	75.9	76.2	76.6	76.11	77.3	77.8	78.0	78.5	78.9	79.2	79.6		
11½	72.0	72.5	72.9	73.2	73.6	73.11	74.3	74.8	75.0	75.5	75.9	76.2	76.6	76.11	77.3	77.8	78.0	78.5	78.9	79.2	79.6	79.11	80.3	
9.0	72.4	72.9	73.1	73.6	73.10	74.3	74.7	75.0	75.4	75.9	76.1	76.6	76.10	77.3	77.7	78.0	78.4	78.9	79.1	79.6	79.10	80.3	80.7	81.0
9.0½	72.9	73.1	73.6	73.10	74.3	74.7	75.0	75.4	75.9	76.1	76.6	76.10	77.3	77.7	78.0	78.4	78.9	79.1	79.6	79.10	80.3	80.7	81.0	81.4
1	73.1	73.5	73.10	74.2	74.7	74.11	75.4	75.8	76.1	76.5	76.10	77.2	77.7	78.0	78.4	78.9	79.1	79.6	79.10	80.3	80.7	81.0	81.4	81.9
1½	73.5	73.9	74.2	74.6	74.11	75.3	75.8	76.0	76.5	76.10	77.2	77.7	77.11	78.4	78.8	79.1	79.5	79.10	80.3	80.7	81.0	81.4	81.9	82.1
2	73.9	74.1	74.6	74.10	75.3	75.7	76.0	76.5	76.9	77.2	77.6	77.11	78.4	78.8	79.1	79.5	79.10	80.2	80.7	81.0	81.4	81.9	82.1	82.6
9.2½	74.1	74.6	74.10	75.2	75.7	76.0	76.4	76.9	77.1	77.6	77.11	78.3	78.8	79.0	79.5	79.10	80.2	80.7	80.11	81.4	81.9	82.1	82.6	82.10
3	74.5	74.9	75.2	75.6	75.11	76.4	76.8	77.1	77.6	77.10	78.3	78.7	79.0	79.5	79.9	80.2	80.7	80.11	81.4	81.8	82.1	82.6	82.10	83.3
3½	74.9	75.1	75.6	75.11	76.3	76.8	77.0	77.5	77.10	78.2	78.7	79.0	79.4	79.9	80.2	80.6	80.11	81.4	81.8	82.1	82.6	82.10	83.3	83.7
4	75.1	75.5	75.10	76.3	76.7	77.0	77.5	77.9	78.2	78.7	78.11	79.4	79.9	80.1	80.6	80.11	81.3	81.8	82.1	82.5	82.10	83.3	83.7	84.0
9.4½	75.5	75.9	76.2	76.7	76.11	77.4	77.9	78.1	78.6	78.11	79.4	79.8	80.1	80.6	80.10	81.3	81.8	82.0	82.5	82.10	83.2	83.7	84.0	84.4
5	75.9	76.1	76.6	76.11	77.4	77.8	78.1	78.6	78.10	79.3	79.8	80.0	80.5	80.10	81.3	81.7	82.0	82.5	82.9	83.2	83.7	84.0	84.4	84.9
5½	76.1	76.5	76.10	77.3	77.8	78.0	78.5	78.10	79.3	79.7	80.0	80.5	80.9	81.2	81.7	82.0	82.4	82.9	83.2	83.7	83.11	84.4	84.9	85.1
6	76.5	76.9	77.2	77.7	78.0	78.4	78.9	79.2	79.7	79.11	80.4	80.9	81.2	81.6	81.11	82.4	82.9	83.1	83.6	83.11	84.4	84.8	85.1	85.6
9.6½	76.9	77.2	77.6	77.11	78.4	78.9	79.1	79.6	79.11	80.4	80.8	81.1	81.6	81.11	82.4	82.8	83.1	83.6	83.11	84.3	84.8	85.1	85.6	85.10
7	77.1	77.6	77.10	78.3	78.8	79.1	79.6	79.10	80.3	80.8	81.1	81.5	81.10	82.3	82.8	83.1	83.5	83.10	84.3	84.8	85.1	85.5	85.10	86.3
7½	77.5	77.10	78.2	78.7	79.0	79.5	79.10	80.2	80.7	81.0	81.5	81.10	82.3	82.7	83.0	83.5	83.10	84.3	84.7	85.0	85.5	85.10	86.3	86.7
8	77.9	78.2	78.6	78.11	79.4	79.9	80.2	80.7	80.11	81.4	81.9	82.2	82.7	83.0	83.4	83.9	84.2	84.7	85.0	85.5	85.9	86.2	86.7	87.0
9.8½	78.1	78.6	78.11	79.3	79.8	80.1	80.6	80.11	81.4	81.9	82.1	82.6	82.11	83.4	83.9	84.2	84.7	84.11	85.4	85.9	86.2	86.7	87.0	87.4
9	78.5	78.10	79.3	79.7	80.0	80.5	80.10	81.3	81.8	82.0	82.6	82.10	83.3	83.8	84.1	84.6	84.11	85.4	85.9	86.1	86.6	86.11	87.4	87.9
9½	78.9	79.2	79.7	80.0	80.4	80.9	81.2	81.7	82.0	82.5	82.10	83.3	83.8	84.1	84.5	84.10	85.3	85.8	86.1	86.6	86.11	87.4	87.9	88.1
10	79.1	79.6	79.11	80.4	80.9	81.1	81.6	81.11	82.4	82.9	83.2	83.7	84.0	84.5	84.10	85.3	85.8	86.0	86.5	86.10	87.3	87.8	88.1	88.6
9.10½	79.5	79.10	80.3	80.8	81.1	81.6	81.11	82.3	82.8	83.1	83.6	83.11	84.4	84.9	85.2	85.7	86.0	86.5	86.10	87.3	87.8	88.1	88.6	88.10
11	79.9	80.2	80.7	81.0	81.5	81.10	82.3	82.8	83.1	83.6	83.11	84.3	84.8	85.1	85.6	85.11	86.4	86.9	87.2	87.7	88.0	88.5	88.10	89.3
11½	80.1	80.6	80.11	81.4	81.9	82.2	82.7	83.0	83.5	83.10	84.3	84.8	85.1	85.6	85.11	86.4	86.9	87.2	87.7	88.0	88.5	88.10	89.3	89.7
10.0	80.5	80.10	81.3	81.8	82.1	82.6	82.11	83.4	83.9	84.2	84.7	85.0	85.5	85.10	86.3	86.8	87.1	87.6	87.11	88.4	88.9	89.2	89.7	90.0
10.0½	80.9	81.2	81.7	82.0	82.5	82.10	83.3	83.8	84.1	84.6	84.11	85.4	85.9	86.2	86.7	87.0	87.5	87.10	88.3	88.8	89.1	89.6	89.11	90.4
1	81.1	81.6	81.11	82.4	82.9	83.2	83.7	84.0	84.5	84.10	85.3	85.8	86.2	86.7	87.0	87.5	87.10	88.3	88.8	89.1	89.6	89.11	90.4	90.9
1½	81.5	81.10	82.3	82.8	83.1	83.6	83.11	84.4	84.10	85.3	85.8	86.1	86.6	86.11	87.4	87.9	88.2	88.7	89.0	89.5	89.10	90.3	90.8	91.1
2	81.9	82.2	82.7	83.0	83.5	83.10	84.4	84.9	85.2	85.7	86.0	86.5	86.10	87.3	87.8	88.1	88.6	88.11	89.5	89.10	90.3	90.8	91.1	91.6
10.2½	82.1	82.6	82.11	83.4	83.10	84.3	84.8	85.1	85.6	85.11	86.4	86.9	87.2	87.7	88.1	88.6	88.11	89.4	89.9	90.2	90.7	91.0	91.5	91.10
3	82.5	82.10	83.3	83.8	84.2	84.7	85.0	85.5	85.10	86.3	86.8	87.1	87.7	88.0	88.5	88.10	89.3	89.8	90.1	90.6	91.0	91.5	91.10	92.3
3½	82.9	83.2	83.7	84.1	84.6	84.11	85.4	85.9	86.2	86.7	87.1	87.6	87.11	88.4	88.9	89.2	89.7	90.1	90.6	90.11	91.4	91.9	92.2	92.7
4	83.1	83.6	83.11	84.5	84.10	85.3	85.8	86.1	86.6	87.0	87.5	87.10	88.3	88.8	89.1	89.7	90.0	90.5	90.10	91.3	91.9	92.2	92.7	93.0
10.4½	83.5	83.10	84.4	84.9	85.2	85.7	86.0	86.5	86.11	87.4	87.9	88.2	88.7	89.1	89.6	89.11	90.4	90.9	91.3	91.8	92.1	92.6	92.11	93.4
5	83.9	84.2	84.8	85.1	85.6	85.11	86.4	86.10	87.3	87.8	88.1	88.7	89.0	89.5	89.10	90.3	90.9	91.2	91.7	92.0	92.5	92.11	93.4	93.9
5½	84.1	84.6	85.0	85.5	85.10	86.3	86.9	87.2	87.7	88.0	88.6	88.11	89.4	89.9	90.2	90.8	91.1	91.6	91.11	92.5	92.10	93.3	93.8	94.1
6	84.5	84.10	85.4	85.9	86.2	86.7	87.1	87.6	87.11	88.4	88.10	89.3	89.8	90.1	90.7	91.0	91.5	91.10	92.4	92.9	93.2	93.7	94.1	94.6
10.6½	84.9	85.3	85.8	86.1	86.6	87.0	87.5	87.10	88.3	88.9	89.2	89.7	90.1	90.6	90.11	91.4	91.9	92.3	92.8	93.1	93.7	94.0	94.5	94.10
7	85.1	85.7	86.0	86.5	86.10	87.4	87.9	88.2	88.8	89.1	89.6	89.11	90.5	90.10	91.3	91.9	92.2	92.7	93.1	93.6	93.11	94.4	94.10	95.3
7½	85.5	85.11	86.4	86.9	87.3	87.8	88.1	88.6	89.0	89.5	89.10	90.4	90.9	91.2	91.8	92.1	92.6	93.0	93.5	93.10	94.4	94.9	95.2	95.7
8	85.9	86.3	86.8	87.1	87.7	88.0	88.5	88.11	89.4	89.9	90.3	90.8	91.1	91.7	92.0	92.5	92.11	93.4	93.9	94.3	94.8	95.1	95.7	96.0
10.8½	86.1	86.7	87.0	87.5	87.11	88.4	88.9	89.3	89.8	90.2	90.7	91.0	91.6	91.11	92.4	92.10	93.3	93.8	94.2	94.7	95.0	95.6	95.11	96.4
9	86.5	86.11	87.4	87.9	88.3	88.8	89.2	89.7	90.0	90.6	90.11	91.4	91.10	92.3	92.9	93.2	93.7	94.1	94.6	94.11	95.5	95.10	96.4	96.9
9½	86.9	87.3	87.8	88.2	88.7	89.0	89.6	89.11	90.5	90.10	91.3	91.9	92.2	92.8	93.1	93.6	94.0	94.5	94.11	95.4	95.9	96.3	96.8	97.1
10	87.1	87.7	88.0	88.6	88.11	89.4	89.10	90.3	90.9	91.2	91.8	92.1	92.6	93.0	93.5	93.11	94.4	94.9	95.3	95.8	96.2	96.7	97.1	97.6
10.10½	87.5	87.11	88.4	88.10	89.3	89.9	90.2	90.7	91.1	91.6	92.0	92.5	92.11	93.4	93.10	94.3	94.8	95.2	95.7	96.1	96.6	97.0	97.5	97.10
11	87.9	88.3	88.8	89.2	89.7	90.1	90.6	91.0	91.5	91.11	92.4	92.9	93.3	93.8	94.2	94.7	95.1	95.6	96.0	96.5	96.11	97.4	97.10	98.3
11½	88.1	88.7	89.0	89.6	89.11	90.5	90.10	91.4	91.9	92.3	92.8	93.2	93.7	94.1	94.6	95.0	95.5	95.11	96.4	96.10	97.3	97.9	98.2	98.7
11.0	88.5	88.11	89.4	89.10	90.3	90.9	91.2	91.8	92.1	92.7	93.0	93.6	93.11	94.5	94.10	95.4	95.9	96.3	96.8	97.2	97.7	98.1	98.6	99.0
11.0½	88.10	89.3	89.9	90.2	90.8	91.1	91.7	92.0	92.6	92.11	93.5	93.10	94.4	94.9	95.3	95.8	96.2	96.7	97.1	97.6	98.0	98.5	98.11	99.4
1	89.2	89.7	90.1	90.6	91.0	91.5	91.11	92.4	92.10	93.3	93.9	94.2	94.8	95.2	95.7	96.1	96.6	97.0	97.5	97.11	98.4	98.10	99.3	99.9
1½	89.6	89.11	90.5	90.10	91.4	91.9	92.3	92.8	93.2	93.8	94.1	94.7	95.0	95.6	95.11	96.5	96.11	97.4	97.10	98.3	98.9	99.2	99.8	100.1
2	89.10	90.3	90.9	91.2	91.8	92.1	92.7	93.1	93.6	94.0	94.5	94.11	95.5	95.10	96.4	96.9	97.3	97.8	98.2	98.8	99.1	99.7	100.0	100.6
11.2½	90.2	90.7	91.1	91.6	92.0	92.5	92.11	93.5	93.10	94.4	94.10	95.3	95.9	96.2	96.8	97.2	97.7	98.1	98.6	99.0	99.6	99.11	100.5	100.10
3	90.6	90.11	91.5	91.10	92.4	92.10	93.3	93.9	94.3	94.8	95.2	95.7	96.1	96.7	97.0	97.6	98.0	98.5	98.11	99.4	99.10	100.4	100.9	101.3
3½	90.10	91.3	91.9	92.3	92.8	93.2	93.8	94.1	94.7	95.0	95.6	96.0	96.5	96.11	97.5	97.10	98.4	98.10	99.3	99.9	100.2	100.8	101.2	101.7
4	91.2	91.7	92.1	92.7	93.0	93.6	94.0	94.5	94.11	95.5	95.10	96.4	96.10	97.3	97.9	98.3	98.8	99.2	99.8	100.1	100.7	101.1	101.6	102.0
11.4½	91.6	91.11	92.5	92.11	93.4	93.10	94.4	94.9	95.3	95.9	96.3	96.8	97.2	97.8	98.1	98.7	99.1	99.6	100.0	100.6	100.11	101.5	101.11	102.4
5	91.10	92.3	92.9	93.3	93.9	94.2	94.8	95.2	95.7	96.1	96.7	97.0	97.6	98.0	98.6	98.11	99.5	99.11	100.4	100.10	101.4	101.10	102.3	102.9
5½	92.2	92.7	93.1	93.7	94.1	94.6	95.0	95.6	96.0	96.5	96.11	97.5	97.10	98.4	98.10	99.4	99.9	100.3	100.9	101.3	101.8	102.2	102.8	103.1
6	92.6	92.11	93.5	93.11	94.5	94.10	95.4	95.10	96.4	96.9	97.3	97.9	98.3	98.8	99.2	99.8	100.2	100.7	101.1	101.7	102.1	102.6	103.0	103.6
11.6½	92.10	93.4	93.9	94.3	94.9	95.3	95.8	96.2	96.8	97.2	97.7	98.1	98.7	99.2	99.7	100.0	100.6	101.0	101.6	101.11	102.5	102.11	103.5	103.10
7	93.2	93.8	94.1	94.7	95.1	95.7	96.1	96.6	97.0	97.6	98.0	98.5	98.11	99.5	99.11	100.5	100.10	101.4	101.10	102.4	102.10	103.3	103.9	104.3
7½	93.6	94.0	94.4	94.11	95.5	95.11	96.5	96.10	97.4	97.10	98.4	98.10	99.4	99.9	100.3	100.9	101.3	101.9	102.2	102.8	103.2	103.8	104.2	104.7
8	93.10	94.4	94.9	95.3	95.9	96.3	96.9	97.3	97.8	98.2	98.8	99.2	99.8	100.2	100.7	101.1	101.7	102.1	102.7	103.1	103.6	104.0	104.6	105.0
11.8½	94.2	94.8	95.2	95.7	96.1	96.7	97.1	97.7	98.1	98.7	99.0	99.6	100.0	100.6	101.0	101.6	102.0	102.5	102.11	103.5	103.11	104.5	104.11	105.4
9	94.6	95.0	95.6	95.11	96.5	96.11	97.5	97.11	98.5	98.11	99.5	99.10	100.4	100.10	101.4	101.10	102.4	102.10	103.4	103.9	104.3	104.9	105.3	105.9
9½	94.10	95.4	95.10	96.4	96.9	97.3	97.9	98.3	98.9	99.3	99.9	100.3	100.9	101.3	101.8	102.2	102.8	103.2	103.8	104.2	104.8	105.2	105.8	106.1
10	95.2	95.8	96.2	96.8	97.2	97.7	98.1	98.7	99.1	99.7	100.1	100.7	101.1	101.7	102.1	102.7	103.1	103.6	104.0	104.6	105.0	105.6	106.0	106.6
11.10½	95.6	96.0	96.6	97.0	97.6	98.0	98.6	98.11	99.5	99.11	100.5	100.11	101.5	101.11	102.5	102.11	103.5	103.11	104.5	104.11	105.5	105.11	106.5	106.10
11	95.10	96.4	96.10	97.4	97.10	98.4	98.10	99.4	99.10	100.4	100.10	101.3	101.9	102.3	102.9	103.3	103.9	104.3	104.9	105.3	105.9	106.3	106.9	107.3
11½	96.2	96.8	97.2	97.8	98.2	98.8	99.2	99.8	100.2	100.8	101.2	101.8	102.2	102.8	103.2	103.8	104.2	104.8	105.2	105.8	106.2	106.8	107.2	107.8
12.0	96.6	97.0	97.6	98.0	98.6	99.0	99.6	100.0	100.6	101.0	101.6	102.0	102.6	103.0	103.6	104.0	104.6	105.0	105.6	106.0	106.6	107.0	107.6	108.0
12.0½	96.10	97.4	97.10	98.4	98.10	99.4	99.10	100.4	100.10	101.4	101.10	102.4	102.10	103.4	103.10	104.4	104.10	105.4	105.10	106.4	106.10	107.4	107.10	108.4
1	97.2	97.8	98.2	98.8	99.2	99.8	100.2	100.8	101.2	101.8	102.2	102.8	103.3	103.9	104.3	104.9	105.3	105.9	106.3	106.9	107.3	107.9	108.3	108.9
1½	97.6	98.0	98.6	99.0	99.6	100.0	100.6	101.0	101.7	102.1	102.7	103.1	103.7	104.1	104.7	105.1	105.7	106.1	106.7	107.1	107.7	108.1	108.7	109.1
2	97.10	98.4	98.10	99.4	99.10	100.4	100.11	101.5	101.11	102.5	102.11	103.5	103.11	104.5	104.11	105.5	105.11	106.5	107.0	107.6	108.0	108.6	109.0	109.6
12.2½	98.2	98.8	99.2	99.8	100.3	100.9	101.3	101.9	102.3	102.9	103.3	103.9	104.3	104.9	105.4	105.10	106.4	106.10	107.4	107.10	108.4	108.10	109.4	109.10
3	98.6	99.0	99.6	100.0	100.7	101.1	101.7	102.1	102.7	103.1	103.7	104.1	104.8	105.2	105.8	106.2	106.8	107.2	107.8	108.2	108.9	109.3	109.9	110.3
3½	98.10	99.4	99.10	100.5	100.11	101.5	101.11	102.5	102.11	103.5	104.0	104.6	105.0	105.6	106.0	106.6	107.0	107.7	108.1	108.7	109.1	109.7	110.1	110.7
4	99.2	99.8	100.2	100.9	101.3	101.9	102.3	102.9	103.3	103.10	104.4	104.10	105.4	105.10	106.4	106.11	107.5	107.11	108.5	108.11	109.5	110.0	110.6	111.0
12.4½	99.6	100.0	100.7	101.1	101.7	102.1	102.7	103.1	103.8	104.2	104.8	105.2	105.8	106.3	106.9	107.3	107.9	108.3	108.10	109.4	109.10	110.4	110.10	111.4
5	99.10	100.4	100.11	101.5	101.11	102.5	102.11	103.6	104.0	104.6	105.0	105.6	106.1	106.7	107.1	107.7	108.2	108.8	109.2	109.8	110.2	110.9	111.3	111.9
5½	100.2	100.8	101.3	101.9	102.3	102.9	103.4	103.10	104.4	104.10	105.5	105.11	106.5	106.11	107.5	108.0	108.6	109.0	109.6	110.1	110.7	111.1	111.7	112.1
6	100.6	101.0	101.7	102.1	102.7	103.1	103.8	104.2	104.8	105.2	105.9	106.3	106.9	107.3	107.10	108.4	108.10	109.4	109.11	110.5	110.11	111.5	112.0	112.6



From 9 Foot and ½ an Inch by 9 Foot and ½ an inch to 9 Foot 2 Inches by 9 Foot 2 Inches

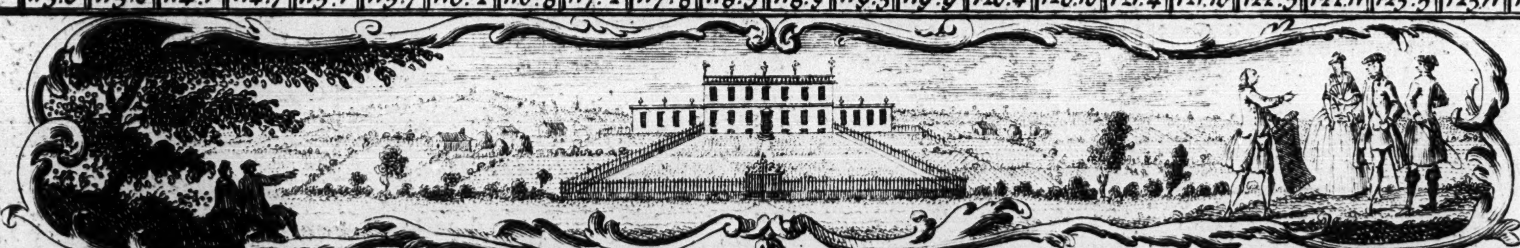
	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I
F.I. Parts	9.0½	9.1	9.1½	9.2	9.2½	9.3	9.3½	9.4	9.4½	9.5	9.5½	9.6	9.6½	9.7	9.7½	9.8	9.8½	9.9	9.9½	9.10	9.10½	9.11	9.11½	10.0
9.0½	81.9																							
1	82.1	82.6																						
1½	82.6	82.11	83.3																					
2	82.11	83.3	83.8	84.0																				

A TABLE OF FEET AND INCHES

From 9 Foot 2 Inches and a ½ by 9 Foot and ½ an Inch to 12 Foot 6 Inches by 10 Foot

	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I
F.I Parts	9.0½	9.1	9.1½	9.2	9.2½	9.3	9.3½	9.4	9.4½	9.5	9.5½	9.6
9.2½	83.3	83.8	84.0	84.5	84.10							
3	83.8	84.0	84.5	84.9	85.2	85.7						
3½	84.0	84.5	84.9	85.2	85.7	85.11	86.4					
4	84.5	84.9	85.2	85.7	85.11	86.4	86.9	87.1				
9.4½	84.9	85.2	85.7	85.11	86.4	86.9	87.1	87.6	87.11			
5	85.2	85.6	85.11	86.4	86.9	87.1	87.6	87.11	88.3	88.8		
5½	85.6	85.11	86.4	86.8	87.1	87.6	87.11	88.3	88.8	89.1	89.6	
6	85.11	86.3	86.8	87.1	87.6	87.10	88.3	88.8	89.1	89.5	89.10	90.3
9.6½	86.3	86.8	87.1	87.6	87.10	88.3	88.8	89.1	89.5	89.10	90.3	90.8
7	86.8	87.1	87.5	87.10	88.3	88.8	89.1	89.5	89.10	90.3	90.8	91.0
7½	87.0	87.5	87.10	88.3	88.8	89.0	89.5	89.10	90.3	90.8	91.0	91.5
8	87.5	87.10	88.3	88.7	89.0	89.5	89.10	90.3	90.7	91.0	91.5	91.10
9.8½	87.9	88.2	88.7	89.0	89.4	89.10	90.2	90.7	91.0	91.5	91.10	92.3
9	88.2	88.7	89.0	89.4	89.9	90.2	90.7	91.0	91.5	91.10	92.3	92.7
9½	88.6	88.11	89.4	89.9	90.2	90.8	91.0	91.5	91.10	92.2	92.7	93.0
10	88.11	89.4	89.9	90.2	90.7	90.11	91.4	91.9	92.2	92.7	93.0	93.5
9.10½	89.3	89.8	90.1	90.6	90.11	91.4	91.9	92.2	92.7	93.0	93.5	93.10
11	89.8	90.1	90.6	90.11	91.4	91.9	92.2	92.7	93.0	93.5	93.10	94.2
11½	90.0	90.5	90.10	91.3	91.8	92.1	92.6	92.11	93.4	93.9	94.2	94.7
10.0	90.5	90.10	91.3	91.8	92.1	92.6	92.11	93.4	93.9	94.2	94.7	95.0
10.0½	90.9	91.3	91.8	92.1	92.6	92.11	93.4	93.9	94.2	94.7	95.0	95.5
1	91.2	91.7	92.0	92.5	92.10	93.3	93.8	94.1	94.6	94.11	95.4	95.9
1½	91.7	92.0	92.5	92.10	93.3	93.8	94.1	94.6	94.11	95.4	95.9	96.2
2	91.11	92.4	92.9	93.2	93.7	94.0	94.6	94.11	95.4	95.9	96.2	96.7
10.2½	92.4	92.9	93.2	93.7	94.0	94.5	94.10	95.3	95.8	96.2	96.7	97.0
3	92.8	93.1	93.6	93.11	94.5	94.10	95.3	95.8	96.1	96.6	96.11	97.4
3½	93.1	93.6	93.11	94.4	94.9	95.2	95.8	96.1	96.6	96.11	97.4	97.9
4	93.5	93.10	94.3	94.9	95.2	95.7	96.0	96.5	96.10	97.4	97.9	98.2
10.4½	93.10	94.3	94.8	95.1	95.6	96.0	96.5	96.10	97.3	97.8	98.2	98.7
5	94.2	94.7	95.1	95.6	95.11	96.4	96.9	97.3	97.8	98.1	98.6	98.11
5½	94.7	95.0	95.5	95.10	96.4	96.9	97.2	97.7	98.1	98.6	98.11	99.4
6	94.11	95.4	95.10	96.3	96.8	97.1	97.7	98.0	98.5	98.10	99.4	99.9
10.6½	95.4	95.9	96.2	96.8	97.1	97.6	97.11	98.5	98.10	99.3	99.8	100.2
7	95.8	96.2	96.7	97.0	97.5	97.11	98.4	98.9	99.3	99.8	100.1	100.6
7½	96.1	96.6	96.11	97.5	97.10	98.3	98.9	99.2	99.7	100.1	100.6	100.11
8	96.5	96.11	97.4	97.9	98.3	98.8	99.1	99.7	100.0	100.5	100.11	101.4
10.8½	96.10	97.3	97.9	98.2	98.7	99.1	99.6	99.11	100.5	100.10	101.3	101.9
9	97.2	97.8	98.1	98.6	99.0	99.5	99.11	100.4	100.9	101.3	101.8	102.1
9½	97.7	98.0	98.6	98.11	99.4	99.10	100.3	100.9	101.2	101.7	102.1	102.6
10	97.11	98.5	98.10	99.4	99.9	100.2	100.8	101.1	101.7	102.0	102.6	102.11
10.10½	98.4	98.9	99.3	99.8	100.2	100.7	101.1	101.6	101.11	102.5	102.10	103.4
11	98.8	99.2	99.7	100.1	100.6	101.0	101.5	101.11	102.4	102.10	103.3	103.8
11½	99.2	99.6	100.0	100.5	100.11	101.4	101.10	102.3	102.9	103.2	103.8	104.1
11.0	99.5	99.11	100.4	100.10	101.3	101.9	102.2	102.8	103.1	103.7	104.0	104.6
11.0½	99.10	100.4	100.9	101.3	101.8	102.2	102.7	103.1	103.6	104.0	104.5	104.11
1	100.3	100.8	101.2	101.7	102.1	102.6	103.0	103.5	103.11	104.4	104.10	105.3
1½	100.7	101.1	101.6	102.0	102.5	102.11	103.4	103.10	104.4	104.9	105.3	105.8
2	101.0	101.5	101.11	102.4	102.10	103.3	103.9	104.3	104.8	105.2	105.7	106.1
11.2½	101.4	101.10	102.3	102.9	103.3	103.8	104.2	104.7	105.1	105.7	106.0	106.6
3	101.9	102.2	102.8	103.1	103.7	104.1	104.6	105.0	105.6	105.11	106.5	106.10
3½	102.1	102.7	103.0	103.6	104.0	104.5	104.11	105.5	105.10	106.4	106.10	107.3
4	102.6	102.11	103.5	103.11	104.4	104.10	105.4	105.9	106.3	106.9	107.2	107.8
11.4½	102.10	103.4	103.10	104.3	104.9	105.3	105.8	106.2	106.8	107.1	107.7	108.1
5	103.3	103.8	104.2	104.8	105.2	105.7	106.1	106.7	107.0	107.6	108.0	108.5
5½	103.7	104.1	104.7	105.0	105.6	106.0	106.6	106.11	107.5	107.11	108.5	108.10
6	104.0	104.5	104.11	105.5	105.11	106.4	106.10	107.4	107.10	108.3	108.9	109.3
11.6½	104.4	104.10	105.4	105.10	106.3	106.9	107.3	107.9	108.2	108.8	109.2	109.8
7	104.9	105.3	105.8	106.2	106.8	107.2	107.8	108.1	108.7	109.1	109.7	110.0
7½	105.1	105.7	106.1	106.7	107.1	107.6	108.0	108.6	109.0	109.6	109.11	110.6
8	105.6	106.0	106.5	106.11	107.5	107.11	108.5	108.11	109.4	109.10	110.4	110.10
11.8½	105.10	106.4	106.9	107.4	107.10	108.4	108.9	109.3	109.9	110.3	110.9	111.3
9	106.3	106.9	107.3	107.8	108.2	108.8	109.2	109.8	110.2	110.8	111.2	111.7
9½	106.7	107.1	107.7	108.1	108.7	109.1	109.7	110.1	110.7	111.0	111.6	112.0
10	107.0	107.6	108.0	108.6	109.0	109.5	109.11	110.5	110.11	111.5	111.11	112.5
11.10½	107.4	107.10	108.4	108.10	109.4	109.10	110.4	110.10	111.4	111.10	112.4	112.10
11	107.9	108.3	108.9	109.3	109.9	110.3	110.9	111.3	111.9	112.3	112.9	113.2
11½	108.1	108.7	109.1	109.7	110.1	110.7	111.1	111.7	112.1	112.7	113.1	113.7
12.0	108.6	109.0	109.6	110.0	110.6	111.0	111.6	112.0	112.6	113.0	113.6	114.0
12.0½	108.11	109.5	109.11	110.5	110.11	111.5	111.11	112.5	112.11	113.5	113.11	114.5
1	109.3	109.9	110.3	110.9	111.3	111.9	112.3	112.9	113.3	113.9	114.3	114.9
1½	109.8	110.2	110.8	111.2	111.8	112.2	112.8	113.2	113.8	114.2	114.8	115.2
2	110.0	110.6	111.0	111.6	112.0	112.6	113.1	113.7	114.1	114.7	115.1	115.7
12.2½	110.5	110.11	111.5	111.11	112.5	112.11	113.5	113.11	114.5	115.0	115.6	116.0
3	110.9	111.3	111.9	112.3	112.10	113.4	113.10	114.4	114.10	115.4	115.10	116.4
3½	111.2	111.8	112.2	112.8	113.2	113.8	114.2	114.9	115.3	115.9	116.3	116.9
4	111.6	112.0	112.6	113.1	113.7	114.1	114.7	115.1	115.7	116.2	116.8	117.2
12.4½	111.11	112.5	112.11	113.5	113.11	114.6	115.0	115.6	116.0	116.6	117.1	117.7
5	112.3	112.9	113.4	113.10	114.4	114.10	115.4	115.11	116.5	116.11	117.5	117.11
5½	112.8	113.2	113.8	114.2	114.9	115.3	115.9	116.3	116.10	117.4	117.10	118.4
6	113.0	113.6	114.1	114.7	115.1	115.7	116.2	116.8	117.2	117.8	118.3	118.9

	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I
F.I Parts	9.6½	9.7	9.7½	9.8	9.8½	9.9	9.9½	9.10	9.10½	9.11	9.11½	10.0
9.2½												
3												
3½												
4												
9.4½												
5												
5½												
6												
9.6½	91.1											
7	91.5	91.10										
7½	91.10	92.3	92.8									
8	92.3	92.8	93.0	93.5								
9.8½	92.8	93.0	93.5	93.10	94.3							
9	93.0	93.5	93.10	94.3	94.8	95.1						
9½	93.5	93.10	94.3	94.8	95.1	95.6	95.11					
10	93.10	94.3	94.8	95.1	95.6	95.10	96.3	96.8				
9.10½	94.3	94.8	95.1	95.5	95.10	96.3	96.8	97.1	97.6			
11	94.7	95.0	95.5	95.10	96.3	96.8	97.1	97.6	97.11	98.4		
11½	95.0	95.5	95.10	96.3	96.8	97.1	97.6	97.11	98.4	98.9	99.2	
10.0	95.5	95.10	96.3	96.8	97.1	97.6	97.11	98.4	98.9	99.2	99.7	100.0
10.0½	95.10	96.3	96.8	97.1	97.6	97.11	98.4	98.9	99.2	99.7	100.0	100.5
1	96.3	96.8	97.1	97.6	97.11	98.4	98.9	99.2	99.7	100.0	100.5	100.10
1½	96.7	97.0	97.5	97.10	98.4	98.9	99.2	99.7	100.0	100.5	100.10	101.3
2	97.0	97.5	97.10	98.3	98.8	99.1	99.7	100.0	100.5	100.10	101.3	101.8
10.2½	97.5	97.10	98.3	98.8	99.1	99.6	99.11	100.5	100.10	101.3	101.8	102.1
3	97.10	98.3	98.8	99.0	99.6	99.11	100.4	100.9	101.3	101.8	102.1	102.6
3½	98.2	98.8	99.1	99.6	99.11	100.4	100.9	101.2	101.8	102.1	102.6	102.11
4	98.7	99.0	99.5	99.11	100.4	100.9	101.2	101.7	102.0	102.6	102.11	103.4
10.4½	99.0	99.5	99.10	100.3	100.9	101.2	101.7	102.0	102.5	102.11	103.4	103.9
5	99.5	99.10	100.3	100.8	101.2	101.7	102.0	102.5	102.10	103.4	103.9	104.2
5½	99.9	100.3	100.8	101.1	101.6	102.0	102.5	102.10	103.3	103.9	104.2	104.7
6	100.2	100.7	101.1	101.6	101.11	102.4	102.10	103.3	103.8	104.1	104.7	105.0
10.6½	100.7	101.0	101.6	101.11	102.4	102.9	103.3	103.8	104.1	104.6	105.0	105.5
7	101.0	101.5	101.10	102.4	102.9	103.2	103.8	104.1	104.6	104.11	105.5	105.10
7½	101.5	101.10	102.3	102.8	103.2	103.7	104.0	104.6	104.11	105.4	105.10	106.3
8	101.9	102.3	102.8	103.1	103.7	104.0	104.5	104.11	105.4	105.9	106.3	106.8
10.8½	102.2	102.7	103.1	103.6	104.0	104.5	104.10	105.4	105.9	106.2	106.8	107.1
9	102.7	103.0	103.6	103.11	104.4	104.10	105.3	105.8	106.2	106.7	107.1	107.6
9½	103.0	103.5	103.10	104.4	104.9	105.3	105.8	106.1	106.7	107.0	107.6	107.11
10	103.4	103.10	104.3	104.9	105.2	105.7	106.1	106.6	107.0	107.5	107.11	108.4
10.10½	103.9	104.3	104.8	105.1	105.7	106.0	106.6	106.11	107.5	107.10	108.4	108.9
11	104.2	104.7	105.1	105.6	106.0	106.5	106.11	107.4	107.10	108.3	108.9	109.2
11½	104.7	105.0	105.6	105.11	106.5	106.10	107.4	107.9	108.3	108.8	109.2	109.7
11.0	104.11	105.5	105.10	106.4	106.9	107.3	107.8	108.2	108.7	109.1	109.6	110.0
11.0½	105.4	105.10	106.3	106.9	107.2	107.8	108.1	108.7	109.0	109.6	109.11	110.5
1	105.9	106.3	106.8	107.2	107.7	108.1	108.6	109.0	109.5	109.11	110.4	110.10
1½	106.2	106.7	107.1	107.6	108.0	108.6	108.11	109.5	109.10	110.4	110.9	111.3
2	106.7	107.0	107.6	107.11	108.5	108.10	109.4	109.10	110.3	110.9	111.2	111.8
11.2½	106.11	107.5	107.11	108.4	108.10	109.3	109.9	110.3	110.8	111.2	111.7	112.1
3	107.4	107.10	108.3	108.9	109.3	109.8	110.2	110.7	111.1	111.7	112.0	112.6
3½	107.9	108.3	108.8	109.2	109.7	110.1	110.7	111.0	111.6	112.0	112.5	112.11
4	108.2	108.7	109.1	109.7	110.0	110.6	111.0	111.5	111.11	112.5	112.10	113.4
11.4½	108.6	109.0	109.6	109.11	110.5	110.11	111.5	111.10	112.4	112.10	113.3	113.9
5	108.11	109.5	109.11	110.4	110.10	111.4	111.9	112.3	112.9	113.3	113.8	114.2
5½	109.4	109.10	110.3	110.9	111.3	111.9	112.2	112.8	113.2	113.8	114.1	114.7
6	109.9	110.2	110.8	111.2	111.8	112.1	112.7	113.1	113.7	114.0	114.6	115.0
11.6½	110.2	110.7	111.1	111.7	112.1	112.6	113.0	113.6	114.0	114.5	114.11	115.5
7	110.6	111.0	111.6	112.0	112.5	112.11	113.5	113.11	114.5	114.10	115.4	115.10
7½	110.11	111.5	111.11	112.4	112.10	113.4	113.10	114.4	114.10	115.3	115.9	116.3
8	111.4	111.10	112.3	112.9	113.3	113.9	114.3	114.9	115.2	115.8	116.2	116.8
11.8½	111.9	112.2	112.8	113.2	113.8	114.2	114.8	115.2	115.7	116.1	116.7	117.1
9	112.1	112.7	113.1	113.7	114.1	114.7	115.1	115.6	116.0	116.6	117.0	117.6
9½	112.6	113.0	113.6	114.0	114.6	115.0	115.6	115.11	116.5	116.11	117.5	117.11
10	112.11	113.5	113.11	114.5	114.11	115.4	115.10	116.4	116.10	117.4	117.10	118.4
11.10½	113.4	113.10	114.4	114.9	115.3	115.9	116.3	116.9	117.3	117.9	118.3	118.9
11	113.8	114.2	114.8	115.2	115.8	116.2	116.8	117.2	117.8	118.2	118.8	119.2
11½	114.1	114.7	115.1	115.7	116.1	116.7	117.1	117.7	118.1	118.7	119.1	119.7
12.0	114.6	115.0	115.6	116.0	116.6	117.0	117.6	118.0	118.6	119.0	119.6	120.0
12.0½	114.11	115.5	115.11	116.5	116.11	117.5	117.11	118.5	118.11	119.5	119.11	120.5
1	115.4	115.10	116.4	116.10	117.4	117.10	118.4	118.10	119.4	119.10	120.4	120.10
1½	115.8	116.2	116.8	117.2	117.9	118.3	118.9	119.3	119.9	120.3	120.9	121.3
2	116.1	116.7	117.1	117.7	118.1	118.7	119.2	119.8	120.2	120.8	121.2	121.8
12.2½	116.6	117.0	117.6	118.0	118.6	119.0	119.6	120.1	120.7	121.1	121.7	122.1
3	116.11	117.5	117.11	118.5	118.11	119.5	119.11	120.5	121.0	121.6	122.0	122.6
3½	117.3	117.10	118.4	118.10	119.4	119.10	120.4	120.10	121.5	121.11	122.5	122.11
4	117.8	118.2	118.8	119.3	119.9	120.3	120.9	121.3	121.9	122.4	122.10	123.4
12.4½	118.1	118.7	119.1	119.7	120.2	120.8	121.2	121.8	122.2	122.9	123.3	123.9
5	118.6	119.0	119.6	120.0	120.7	121.1	121.7	122.1	122.7	123.2	123.8	124.2
5½	118.10	119.5	119.11	120.5	120.11	121.6	122.0	122.6	123.0	123.7	124.1	124.7
6	119.3	119.9	120.4	120.10	121.4	121.10	122.5	122.11	123.5	123.11	124.6	125.0



From 10 Foot and ½ an Inch by 10 foot and ½ an inch to 11 Foot by 11 Foot

	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I
F.I Parts	10.0½	10.1	10.1½	10.2	10.2½	10.3	10.3½	10.4	10.4½	10.5	10.5½	10.6
10.0½	100.10											
1	101.3	101.8										
1½	101.8	102.1	102.6									
2	102.1	102.6	102.11	103.4								
10.2½	102.6	102.11	103.4	103.9	104.3							
3	102.11	103.4	103.9	104.2	104.8	105.1						
3½	103.4	103.9	104.2	104.8	105.1	105.6	105.11					
4	103.9	104.2	104.7	105.1	105.6	105.11	106.4	106.9				
10.4½	104.2	104.7	105.1	105.6	105.11	106.4	106.9	107.2	107.8			
5	104.7	105.0	105.6	105.11	106.4	106.9	107.2	107.8	108.1	108.6		
5½	105.0	105.5	105.11	106.4	106.9	107.2	107.8	108.1	108.6	108.11	109.5	
6	105.5	105.10	106.4	106.9	107.2	107.7	108.1	108.6	108.11	109.4	109.10	110.3
10.6½	105.10	106.4	106.9	107.2	107.7	108.1	108.6	108.11	109.4	109.10	110.3	110.8
7	106.3	106.9	107.2	107.7	108.0	108.6	108.11	109.4	109.10	110.3	110.8	111.1
7½	106.8	107.2	107.7	108.0	108.6	108.11	109.4	109.9	110.3	110.8	111.1	111.7
8	107.1	107.7	108.0	108.5	108.11	109.4	109.9	110.3	110.8	111.1	111.7	112.0
10.8½	107.6	108.0	108.5	108.10	109.4	109.9	110.2	110.8	111.1	111.7	112.0	112.5
9	107.11	108.5	108.10	109.3	109.9	110.2	110.8	111.1	111.6	112.0	112.5	112.10
9½	108.4	108.10	109.3	109.9	110.2	110.7	111.1	111.6	112.0	112.5	112.10	113.4
10	108.9	109.3	109.8	110.2	110.7	111.0	111.6	111.11	112.5	112.10	113.4	113.9
10.10½	109.2	109.8	110.1	110.7	111.0	111.6	111.11	112.4	112.10	113.3	113.9	114.2
11	109.7	110.1	110.6	111.0	111.5	111.11	112.4	112.10	113.3	113.9	114.2	114.7
11½	110.0	110.6	110.11	111.5	111.10	112.4	112.9	113.3	113.8	114.2	114.7	115.1
11.0	110.5	110.11	111.4	111.10	112.3	112.9	113.2	113.8	114.1	114.7	115.0	115.6

	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I
F.I Parts	10.6½	10.7	10.7½	10.8	10.8½	10.9	10.9½	10.10	10.10½	10.11	10.11½	11.0
10.0½												
1												
1½												
2												
10.2½												
3												
3½												
4												
10.4½												
5												
5½												
6												
10.6½	111.2											
7	111.7	112.1										
7½	112.0	112.5	112.11									
8	112.5	112.11	113.4	113.9								
10.8½	112.11	113.4	113.9	114.3	114.8							
9	113.4	113.9	114.3	114.8	115.1	115.7						
9½	113.9	114.3	114.8	115.1	115.7	116.0	116.6					
10	114.2	114.8	115.1	115.7	116.0	116.5	116.11	117.4				
10.10½	114.8	115.1	115.7	116.0	116.5	116.11	117.4	117.10	118.3			
11	115.1	115.6	116.0	116.5	116.11	117.4	117.10	118.3	118.9	119.2		
11½	115.6	116.0	116.5	116.11	117.4	117.10	118.3	118.9	119.2	119.8	120.1	
11.0	115.11	116.5	116.10	117.4	117.9	118.3	118.8	119.2	119.7	120.1	120.6	121.0

A TABLE OF FEET AND INCHES

From 11 Foot and ½ an inch by 10 Foot and ½ an inch to 12 Foot 6 Inches by 11 Foot

	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I
F.I.Parts	10.0½	10.1	10.1½	10.2	10.2½	10.3	10.3½	10.4	10.4½	10.5	10.5½	10.6	10.6½	10.7	10.7½	10.8	10.8½	10.9	10.9½	10.10	10.10½	10.11	10.11½	11.0
11.0½	110.11	111.4	111.10	112.3	112.9	113.2	113.8	114.1	114.7	115.0	115.6	115.11	116.5	116.10	117.4	117.9	118.3	118.8	119.2	119.7	120.1	120.6	121.0	121.5
1	111.4	111.9	112.3	112.8	113.2	113.7	114.1	114.6	115.0	115.5	115.11	116.4	116.10	117.4	117.9	118.3	118.8	119.2	119.7	120.1	120.6	121.0	121.5	121.11
1½	111.9	112.2	112.8	113.1	113.7	114.0	114.6	114.11	115.5	115.11	116.4	116.10	117.3	117.9	118.2	118.8	119.2	119.7	120.1	120.6	121.0	121.5	121.11	122.4
2	112.2	112.7	113.1	113.6	114.0	114.5	114.11	115.5	115.10	116.4	116.9	117.3	117.9	118.2	118.8	119.1	119.7	120.0	120.6	121.0	121.5	121.10	122.4	122.10
11.2½	112.7	113.0	113.6	113.11	114.5	114.11	115.4	115.10	116.3	116.9	117.3	117.8	118.2	118.7	119.1	119.7	120.0	120.6	120.11	121.5	121.11	122.4	122.10	123.3
3	113.0	113.5	113.11	114.4	114.10	115.4	115.9	116.3	116.9	117.2	117.8	118.1	118.7	119.1	119.6	120.0	120.6	120.11	121.5	121.10	122.4	122.10	123.3	123.9
3½	113.5	113.10	114.4	114.10	115.3	115.9	116.3	116.8	117.2	117.7	118.1	118.7	119.0	119.6	120.0	120.5	120.11	121.5	121.10	122.4	122.10	123.3	123.9	124.2
4	113.10	114.3	114.9	115.3	115.8	116.2	116.8	117.1	117.7	118.1	118.6	119.0	119.6	119.11	120.5	120.11	121.4	121.10	122.4	122.9	123.3	123.9	124.2	124.8
11.4½	114.3	114.8	115.2	115.8	116.1	116.7	117.1	117.6	118.0	118.6	119.0	119.5	119.11	120.5	120.10	121.4	121.10	122.3	122.9	123.3	123.8	124.2	124.8	125.1
5	114.8	115.1	115.7	116.1	116.7	117.0	117.6	118.0	118.5	118.11	119.5	119.10	120.4	120.10	121.4	121.9	122.3	122.9	123.2	123.8	124.2	124.8	125.1	125.7
5½	115.1	115.6	116.0	116.6	117.0	117.5	117.11	118.4	118.11	119.4	119.10	120.4	120.9	121.3	121.9	122.3	122.8	123.2	123.8	124.2	124.7	125.1	125.7	126.0
6	115.6	115.11	116.5	116.11	117.5	117.10	118.4	118.10	119.4	119.9	120.3	120.9	121.3	121.8	122.2	122.8	123.2	123.7	124.1	124.7	125.1	125.6	126.0	126.6
11.6½	115.11	116.5	116.10	117.4	117.10	118.4	118.9	119.3	119.9	120.3	120.8	121.2	121.8	122.2	122.8	123.1	123.7	124.1	124.7	125.0	125.6	126.0	126.6	127.0
7	116.4	116.10	117.3	117.9	118.3	118.9	119.3	119.8	120.2	120.8	121.2	121.8	122.1	122.7	123.1	123.7	124.0	124.6	125.0	125.6	126.0	126.5	126.11	127.5
7½	116.9	117.3	117.8	118.2	118.8	119.2	119.8	120.1	120.7	121.1	121.7	122.1	122.7	123.0	123.6	124.0	124.6	125.0	125.5	125.11	126.5	126.11	127.5	127.10
8	117.2	117.8	118.1	118.7	119.1	119.7	120.1	120.7	121.0	121.6	122.0	122.6	123.0	123.6	123.11	124.5	124.11	125.5	125.11	126.5	126.10	127.4	127.10	128.4
11.8½	117.7	118.1	118.7	119.0	119.6	120.0	120.6	121.0	121.6	122.0	122.5	122.11	123.5	123.11	124.5	124.11	125.5	125.10	126.4	126.10	127.4	127.10	128.4	128.10
9	118.0	118.6	119.0	119.5	119.11	120.5	120.11	121.5	121.11	122.5	122.11	123.4	123.10	124.4	124.10	125.4	125.10	126.4	126.10	127.3	127.9	128.3	128.9	129.3
9½	118.5	118.11	119.5	119.11	120.4	120.11	121.4	121.10	122.4	122.10	123.4	123.10	124.4	124.10	125.3	125.9	126.3	126.9	127.3	127.9	128.3	128.9	129.3	129.9
10	118.10	119.4	119.10	120.4	120.10	121.3	121.9	122.3	122.9	123.3	123.9	124.3	124.9	125.3	125.9	126.3	126.9	127.2	127.8	128.2	128.8	129.2	129.8	130.2
11.10½	119.3	119.9	120.3	120.9	121.3	121.9	122.3	122.8	123.2	123.8	124.3	124.8	125.2	125.8	126.2	126.8	127.2	127.8	128.2	128.8	129.2	129.8	130.2	130.8
11	119.8	120.2	120.8	121.2	121.8	122.2	122.8	123.2	123.8	124.2	124.8	125.1	125.7	126.1	126.7	127.1	127.7	128.1	128.7	129.1	129.7	130.1	130.7	131.1
11½	120.1	120.7	121.1	121.7	122.1	122.7	123.1	123.7	124.1	124.7	125.1	125.7	126.1	126.7	127.1	127.7	128.1	128.7	129.1	129.7	130.1	130.7	131.1	131.7
12.0	120.6	121.0	121.6	122.0	122.6	123.0	123.6	124.0	124.6	125.0	125.6	126.0	126.6	127.0	127.6	128.0	128.6	129.0	129.6	130.0	130.6	131.0	131.6	132.0
12.0½	120.11	121.5	121.11	122.5	122.11	123.5	123.11	124.5	124.11	125.5	125.11	126.5	126.11	127.5	127.11	128.5	128.11	129.5	129.11	130.5	130.11	131.5	131.11	132.5
1	121.4	121.10	122.4	122.10	123.4	123.10	124.4	124.10	125.4	125.10	126.4	126.10	127.5	127.11	128.5	128.11	129.5	129.11	130.5	131.11	131.5	131.11	132.5	132.11
1½	121.9	122.3	122.9	123.3	123.9	124.3	124.9	125.3	125.10	126.4	126.10	127.4	127.10	128.4	128.10	129.4	129.10	130.4	130.10	131.4	131.10	132.4	132.10	133.4
2	122.2	122.8	123.2	123.8	124.2	124.8	125.3	125.9	126.3	126.9	127.3	127.9	128.3	128.9	129.3	129.9	130.3	130.10	131.4	131.10	132.4	132.10	133.4	133.10
12.2½	122.7	123.1	123.7	124.1	124.7	125.2	125.8	126.0	126.8	127.2	127.8	128.2	128.8	129.2	129.9	130.3	130.9	131.3	131.9	132.3	132.9	133.3	133.9	134.3
3	123.0	123.6	124.0	124.6	125.1	125.7	126.1	126.7	127.1	127.7	128.1	128.7	129.2	129.8	130.2	130.8	131.2	131.8	132.2	132.8	133.3	133.9	134.3	134.9
3½	123.5	123.11	124.5	125.0	125.6	126.0	126.6	127.0	127.6	128.0	128.7	129.1	129.7	130.1	130.7	131.1	131.7	132.2	132.8	133.2	133.8	134.2	134.8	135.2
4	123.10	124.4	124.10	125.5	125.11	126.5	126.11	127.5	127.11	128.6	129.0	129.6	130.0	130.6	131.0	131.7	132.1	132.7	133.1	133.7	134.1	134.8	135.2	135.8
12.4½	124.3	124.9	125.4	125.10	126.4	126.10	127.4	127.10	128.5	128.11	129.5	129.11	130.5	131.0	131.6	132.0	132.6	133.0	133.7	134.1	134.7	135.1	135.7	136.1
5	124.8	125.2	125.9	126.3	126.9	127.3	127.9	128.4	128.10	129.4	129.10	130.4	130.11	131.5	131.11	132.5	133.0	133.6	134.0	134.6	135.0	135.7	136.1	136.7
5½	125.1	125.7	126.2	126.8	127.2	127.8	128.3	128.9	129.3	129.9	130.4	130.10	131.4	131.10	132.4	132.11	133.5	133.11	134.5	135.0	135.6	136.0	136.6	137.0
6	125.6	126.0	126.7	127.1	127.7	128.1	128.8	129.2	129.8	130.2	130.9	131.3	131.9	132.3	132.10	133.4	133.10	134.4	134.11	135.5	135.11	136.5	137.0	137.6

From 11 Foot and ½ an Inch by 11 Foot and ½ an inch to 12 foot 6 Inches by 12 Foot

	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I
F.I.Parts	11.0½	11.1	11.1½	11.2	11.2½	11.3	11.3½	11.4	11.4½	11.5	11.5½	11.6	11.6½	11.7	11.7½	11.8	11.8½	11.9	11.9½	11.10	11.10½	11.11	11.11½	12.0
11.0½	121.11																							
1	122.5	122.10																						
1½	122.10	123.4	123.9																					
2	123.4	123.9	124.3	124.8																				
11.2½	123.9	124.3	124.8	125.2	125.8																			
3	124.3	124.8	125.2	125.7	126.1	126.7																		
3½	124.8	125.2	125.7	126.1	126.7	127.0	127.6																	
4	125.2	125.7	126.1	126.7	127.0	127.6	128.0	128.5																
11.4½	125.7	126.1	126.7	127.0	127.6	128.0	128.5	128.11	129.5															
5	126.1	126.6	127.0	127.6	128.0	128.5	128.11	129.5	129.10	130.4														
5½	126.6	127.0	127.6	127.11	128.5	128.11	129.5	129.10	130.4	130.10	131.4													
6	127.0	127.5	127.11	128.5	128.11	129.4	129.10	130.4	130.10	131.3	131.9	132.3												
11.6½	127.5	127.11	128.5	128.11	129.4	129.10	130.4	130.10	131.3	131.9	132.3	132.9	133.3											
7	127.11	128.5	128.10	129.4	129.10	130.4	130.10	131.3	131.9	132.3	132.9	133.2	133.8	134.2										
7½	128.4	128.10	129.4	129.10	130.4	130.9	131.3	131.9	132.3	132.9	133.2	133.8	134.2	134.8	135.2									
8	128.10	129.4	129.9	130.3	130.9	131.3	131.9	132.3	132.8	133.2	133.8	134.2	134.8	135.2	135.7	136.1								
11.8½	129.3	129.9	130.3	130.9	131.3	131.9	132.2	132.8	133.2	133.8	134.2	134.8	135.2	135.7	136.1	136.7	137.1							
9	129.9	130.3	130.9	131.2	131.8	132.2	132.8	133.2	133.8	134.2	134.8	135.1	135.7	136.1	136.7	137.1	137.7	138.1						
9½	130.2	130.8	131.2	131.8	132.2	132.8	133.2	133.8	134.2	134.7	135.1	135.7	136.1	136.7	137.1	137.7	138.1	138.7	139.1					
10	130.8	131.2	131.8	132.2	132.8	133.1	133.7	134.1	134.7	135.1	135.7	136.1	136.7	137.1	137.7	138.1	138.7	139.0	139.6	140.0				
11.10½	131.1	131.7	132.1	132.7	133.1	133.7	134.1	134.7	135.1	135.7	136.1	136.7	137.1	137.7	138.1	138.6	139.0	139.6	140.0	140.6	141.0			
11	131.7	132.1	132.7	133.1	133.7	134.1	134.7	135.1	135.7	136.1	136.7	137.0	137.6	138.0	138.6	139.0	139.6	140.0	140.6	141.0	141.6	142.0		
11½	132.0	132.6	133.0	133.6	134.0	134.6	135.0	135.6	136.0	136.6	137.0	137.6	138.0	138.6	139.0	139.6	140.0	140.6	141.0	141.6	142.0	142.6	143.0	
12.0	132.6	133.0	133.6	134.0	134.6	135.0	135.6	136.0	136.6	137.0	137.6	138.0	138.6	139.0	139.6	140.0	140.6	141.0	141.6	142.0	142.6	143.0	143.6	144.0
12.0½	133.0	133.6	134.0	134.6	135.0	135.6	136.0	136.6	137.0	137.6	138.0	138.6	139.0	139.6	140.0	140.6	141.0	141.6	142.0	142.6	143.0	143.6	144.0	144.6
1	133.5	133.11	134.5	134.11	135.5	135.11	136.5	136.11	137.5	137.11	138.5	138.11	139.6	140.0	140.6	141.0	141.6	142.0	142.6	143.0	143.6	144.0	144.6	145.0
1½	133.11	134.5	134.11	135.5	135.11	136.5	136.11	137.5	137.11	138.5	138.11	139.5	139.11	140.5	140.11	141.5	142.0	142.6	143.0	143.6	144.0	144.6	145.0	145.6
2	134.4	134.10	135.4	135.10	136.4	136.10	137.5	137.11	138.5	138.11	139.5	139.11	140.5	140.11	141.5	141.11	142.5	143.0	143.6	144.0	144.6	145.0	145.6	146.0
12.2½	134.10	135.4	135.10	136.4	136.10	137.4	137.10	138.4	138.10	139.5	139.11	140.5	140.11	141.5	141.11	142.5	142.11	143.5	143.11	144.6	145.0	145.6	146.0	146.6
3	135.3	135.9	136.3	136.9	137.4	137.10	138.4	138.10	139.4	139.10	140.4	140.10	141.5	141.11	142.5	142.11	143.5	143.11	144.5	144.11	145.6	146.0	146.6	147.0
3½	135.9	136.3	136.9	137.3	137.9	138.3	138.10	139.4	139.10	140.4	140.10	141.4	141.10	142.5	142.11	143.5	143.11	144.5	144.11	145.5	146.0	146.6	147.0	147.6
4	136.2	136.8	137.2	137.9	138.3	138.9	139.3	139.9	140.3	140.10	141.4	141.10	142.4	142.10	143.4	143.11	144.5	144.11	145.5	145.11	146.5	147.0	147.6	148.0
12.4½	136.8	137.2	137.8	138.2	138.8	139.3	139.9	140.3	140.9	141.3	141.10	142.4	142.10	143.4	143.10	144.4	144.11	145.5	145.11	146.5	146.11	147.6	148.0	148.6
5	137.1	137.7	138.2	138.8	139.2	139.8	140.2	140.9	141.3	141.9	142.3	142.9	143.4	143.10	144.4	144.10	145.5	145.11	146.5	146.11	147.5	148.0	148.6	149.0
5½	137.7	138.1	138.7	139.1	139.8	140.2	140.8	141.2	141.9	142.3	142.9	143.3	143.9	144.4	144.10	145.4	145.10	146.5	146.11	147.5	147.11	148.6	149.0	149.6
6	138.0	138.7	139.1	139.7	140.1	140.7	141.2	141.8	142.2	142.8	143.3	143.9	144.3	144.9	145.4	145.10	146.4	146.10	147.5	147.11	148.5	149.0	149.6	150.0

From 12 Foot and ½ an inch by 12 Foot and ½ an Inch to 12 Foot 6 inches by 12 Foot 6 Inches.

	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I	F.I
F.I.Parts	12.0½	12.1	12.1½	12.2	12.2½	12.3	12.3½	12.4	12.4½	12.5	12.5½	12.6
12.0½	145.0											
1	145.6	146.0										
1½	146.0	146.6	147.0									
2	146.6	147.0	147.6	148.0								
12.2½	147.0	147.6	148.0	148.6	149.1							
3	147.6	148.0	148.6	149.0	149.7	150.1						
3½	148.0	148.6	149.0	149.7	150.1	150.7	151.1					
4	148.6	149.0	149.7	150.1	150.7	151.1	151.7	152.1				
12.4½	149.0	149.6	150.1	150.7	151.1	151.7	152.1	152.7	153.2			
5	149.6	150.0	150.7	151.1	151.7	152.1	152.7	153.2	153.8	154.2		
5½	150.0	150.6	151.1	151.7	152.1	152.7	153.2	153.8	154.2	154.8	155.3	
6	150.6	151.0	151.7	152.1	152.7	153.1	153.8	154.2	154.8	155.3	155.9	156.3

A TABLE *of* FEET *and* INCHES.

From Half an Inch, by Half an Inch; to 228 Foot, by 11 Inches.

	F. I. P.	F.I.P.	F. I. P.	F. I. P.	F.I.P.	F. I. P.	F.I. P.	F. I. P.	F.I.P.	F.I.P.	F. I. P.	F. I. P.
F.I.P.	0. 0½.0	0.1. 0	0.2.0	0.3.0	0.4.0	0.5.0	0.6.0	0.7.0	0.8.0	0.9.0	0.10.0	0.11.0
0.0½	0. 0.0.3											
0.1	0. 0.0.6	0.0. 1										
0.2	0. 0.1.0	0.0. 2	0.0.4									
0.3	0. 0.1.6	0.0. 3	0.0.6	0.0.9								
0.4	0. 0.2.0	0.0. 4	0.0.8	0.1.0	0.1.4							
0.5	0. 0.2.6	0.0. 5	0.0.10	0.1.3	0.1.8	0.2.1						
0.6	0. 0.3.0	0.0. 6	0.1.0	0.1.6	0.2.0	0.2.6	0.3.0					
0.7	0. 0.3.6	0.0. 7	0.1.2	0.1.9	0.2.4	0.2.11	0.3.6	0.4.1				
0.8	0. 0.4.0	0.0. 8	0.1.4	0.2.0	0.2.8	0.3.4	0.4.0	0.4.8	0.5.4			
0.9	0. 0.4.6	0.0. 9	0.1.6	0.2.3	0.3.0	0.3.9	0.4.6	0.5.3	0.6.0	0.6.9		
0.10	0. 0.5.0	0.0.10	0.1.8	0.2.6	0.3.4	0.4.2	0.5.0	0.5.10	0.6.8	0.7.6	0. 8.4	
0.11	0. 0.5.6	0.0.11	0.1.10	0.2.9	0.3.8	0.4.7	0.5.6	0.6.5	0.7.4	0.8.3	0. 9.2	0.10.1
1.0	0. 0.6.0	0.1. 0	0.2.0	0.3.0	0.4.0	0.5.0	0.6.0	0.7.0	0.8.0	0.9.0	0.10.0	0.11.0
2.0	0. 1.0.0	0.2. 0	0.4	0.6	0.8	0.10	1.0	1.2	1.4	1.6	1.8	1.10
3.0	0. 1.6.0	0.3. 0	0.6	0.9	1.0	1.3	1.6	1.9	2.0	2.3	2.6	2.9
4.0	0. 2.0.0	0.4. 0	0.8	1.0	1.4	1.8	2.0	2.4	2.8	3.0	3.4	3.8
5.0	0. 2.6.0	0.5. 0	0.10	1.3	1.8	2.1	2.6	2.11	3.4	3.9	4.2	4.7
6.0	0. 3.0.0	0.6. 0	1.0	1.6	2.0	2.6	3.0	3.6	4.0	4.6	5.0	5.6
7.0	0. 3.6.0	0.7. 0	1.2	1.9	2.4	2.11	3.6	4.1	4.8	5.3	5.10	6.5
8.0	0. 4.0.0	0.8. 0	1.4	2.0	2.8	3.4	4.0	4.8	5.4	6.0	6.8	7.4
9.0	0. 4.6.0	0.9. 0	1.6	2.3	3.0	3.9	4.6	5.3	6.0	6.9	7.6	8.3
10.0	0. 5.0.0	0.10.0	1.8	2.6	3.4	4.2	5.0	5.10	6.8	7.6	8.4	9.2
11.0	0. 5.6.0	0.11.0	1.10	2.9	3.8	4.7	5.6	6.5	7.4	8.3	9.2	10.1
12.0	0. 6.0.0	1.0. 0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0
13.0	0. 6.6.0	1.1. 0	2.2	3.3	4.4	5.5	6.6	7.7	8.8	9.9	10.10	11.11
14.0	0. 7.0.0	1.2. 0	2.4	3.6	4.8	5.10	7.0	8.2	9.4	10.6	11.8	12.10
15.0	0. 7.6.0	1.3. 0	2.6	3.9	5.0	6.3	7.6	8.9	10.0	11.3	12.6	13.9
16.0	0. 8.0.0	1.4. 0	2.8	4.0	5.4	6.8	8.0	9.4	10.8	12.0	13.4	14.8
17.0	0. 8.6.0	1.5. 0	2.10	4.3	5.8	7.1	8.6	9.11	11.4	12.9	14.2	15.7
18.0	0. 9.0.0	1.6. 0	3.0	4.6	6.0	7.6	9.0	10.6	12.0	13.6	15.0	16.6
19.0	0. 9.6.0	1.7. 0	3.2	4.9	6.4	7.11	9.6	11.1	12.8	14.3	15.10	17.5
20.0	0.10.0.0	1.8. 0	3.4	5.0	6.8	8.4	10.0	11.8	13.4	15.0	16.8	18.4
21.0	0.10.6.0	1.9. 0	3.6	5.3	7.0	8.9	10.6	12.3	14.0	15.9	17.6	19.3
22.0	0.11.0.0	1.10.0	3.8	5.6	7.4	9.2	11.0	12.10	14.8	16.6	18.4	20.2
23.0	0.11.6.0	1.11.0	3.10	5.9	7.8	9.7	11.6	13.5	15.4	17.3	19.2	21.1
24.0	1. 0.0.0	2.0. 0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0	22.0
25.0	1. 0.6.0	2.1. 0	4.2	6.3	8.4	10.5	12.6	14.7	16.8	18.9	20.10	22.11
26.0	1. 1.0.0	2.2. 0	4.4	6.6	8.8	10.10	13.0	15.2	17.4	19.6	21.8	23.10
27.0	1. 1.6.0	2.3. 0	4.6	6.9	9.0	11.3	13.6	15.9	18.0	20.3	22.6	24.9
28.0	1. 2.0.0	2.4. 0	4.8	7.0	9.4	11.8	14.0	16.4	18.8	21.0	23.4	25.8
29.0	1. 2.6.0	2.5. 0	4.10	7.3	9.8	12.1	14.6	16.11	19.4	21.9	24.2	26.7
30.0	1. 3.0.0	2.6. 0	5.0	7.6	10.0	12.6	15.0	17.6	20.0	22.6	25.0	27.6
31.0	1. 3.6.0	2.7. 0	5.2	7.9	10.4	12.11	15.6	18.1	20.8	23.3	25.10	28.5
32.0	1. 4.0.0	2.8. 0	5.4	8.0	10.8	13.4	16.0	18.8	21.4	24.0	26.8	29.4
33.0	1. 4.6.0	2.9. 0	5.6	8.3	11.0	13.9	16.6	19.3	22.0	24.9	27.6	30.3
34.0	1. 5.0.0	2.10.0	5.8	8.6	11.4	14.2	17.0	19.10	22.8	25.6	28.4	31.2
35.0	1. 5.6.0	2.11.0	5.1	8.9	11.8	14.7	17.6	20.5	23.4	26.3	29.2	32.1
36.0	1. 6.0.0	3.0. 0	6.0	9.0	12.0	15.0	18.0	21.0	24.0	27.0	30.0	33.0
37.0	1. 6.6.0	3.1. 0	6.2	9.3	12.4	15.5	18.6	21.7	24.8	27.9	30.10	33.11
38.0	1. 7.0.0	3.2. 0	6.4	9.6	12.8	15.10	19.0	22.2	25.4	28.6	31.8	34.10
39.0	1. 7.6.0	3.3. 0	6.6	9.9	13.0	16.3	19.6	22.9	26.0	29.3	32.6	35.9
40.0	1. 8.0.0	3.4. 0	6.8	10.0	13.4	16.8	20.0	23.4	26.8	30.0	33.4	36.8
41.0	1. 8.6.0	3.5. 0	6.10	10.3	13.8	17.1	20.6	23.11	27.4	30.9	34.2	37.3
42.0	1. 9.0.0	3.6. 0	7.0	10.6	14.0	17.6	21.0	24.6	28.0	31.6	35.0	38.6
43.0	1. 9.6.0	3.7. 0	7.2	10.9	14.4	17.11	21.6	25.1	28.8	32.3	35.10	39.5
44.0	1.10.0.0	3.8. 0	7.4	11.0	14.8	18.4	22.0	25.8	29.4	33.0	36.8	40.4
45.0	1.10.6.0	3.9. 0	7.6	11.3	15.0	18.9	22.6	26.3	30.0	33.9	37.6	41.3
46.0	1.11.0.0	3.10.0	7.8	11.6	15.4	19.2	23.0	26.10	30.8	34.6	38.4	42.2
47.0	1.11.6.0	3.11.0	7.10	11.9	15.8	19.7	23.6	27.5	31.4	35.3	39.2	43.1
48.0	2. 0.0.0	4.0. 0	8.0	12.0	16.0	20.0	24.0	28.0	32.0	36.0	40.0	44.0
49.0	2. 0.6.0	4. 1.0	8.2	12.3	16.4	20.5	24.6	28.7	32.8	36.9	40.10	44.11
50.0	2. 1.0.0	4. 2.0	8.4	12.6	16.8	20.10	25.0	29.2	33.4	37.6	41.8	45.10
51.0	2. 1.6.0	4. 3.0	8.6	12.9	17.0	21.3	25.6	29.9	34.0	38.3	42.6	46.9
52.0	2. 2.0.0	4. 4.0	8.8	13.0	17.4	21.8	26.0	30.4	34.8	39.0	43.4	47.8
53.0	2. 2.6.0	4. 5.0	8.10	13.3	17.8	22.1	26.6	30.11	35.4	39.9	44.2	48.7
54.0	2. 3.0.0	4. 6.0	9.0	13.6	18.0	22.6	27.0	31.6	36.0	40.6	45.0	49.6
55.0	2. 3.6.0	4. 7.0	9.2	13.9	18.4	22.11	27.6	32.1	36.8	41.3	45.10	50.5
56.0	2. 4.0.0	4. 8.0	9.4	14.0	18.8	23.4	28.0	32.8	37.4	42.0	46.8	51.4
57.0	2. 4.6.0	4. 9.0	9.6	14.3	19.0	23.9	28.6	33.3	38.0	42.9	47.6	52.3
58.0	2. 5.0.0	4.10.0	9.8	14.6	19.4	24.2	29.0	33.10	38.8	43.6	48.4	53.2
59.0	2. 5.6.0	4.11.0	9.10	14.9	19.8	24.7	29.6	34.5	39.4	44.3	49.2	54.1
60.0	2. 6.0.0	5. 0.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0
61.0	2. 6.6.0	5. 1.0	10.2	15.3	20.4	25.5	30.6	35.7	40.8	45.9	50.10	55.11
62.0	2. 7.0.0	5. 2.0	10.4	15.6	20.8	25.10	31.0	36.2	41.4	46.6	51.8	56.10
63.0	2. 7.6.0	5. 3.0	10.6	15.9	21.0	26.3	31.6	36.9	42.0	47.3	52.6	57.9
64.0	2. 8.0.0	5. 4.0	10.8	16.0	21.4	26.8	32.0	37.4	42.8	48.0	53.4	58.8
65.0	2. 8.6.0	5. 5.0	10.10	16.3	21.8	27.1	32.6	37.11	43.4	48.9	54.2	59.7
66.0	2. 9.0.0	5. 6.0	11.0	16.6	22.0	27.6	33.0	38.6	44.0	49.6	55.0	60.6
67.0	2. 9.6.0	5. 7.0	11.2	16.9	22.4	27.11	33.6	39.1	44.8	50.3	55.10	61.5
68.0	2.10.0.0	5. 8.0	11.4	17.0	22.8	28.4	34.0	39.8	45.4	51.0	56.8	62.4
69.0	2.10.6.0	5. 9.0	11.6	17.3	23.0	28.9	34.6	40.3	46.0	51.9	57.6	63.3
70.0	2.11.0.0	5.10.0	11.8	17.6	23.4	29.2	35.0	40.10	46.8	52.6	58.4	64.2
71.0	2.11.6.0	5.11.0	11.10	17.9	23.8	29.7	35.6	41.5	47.4	53.3	59.2	65.1
72.0	3. 0.0.0	6. 0.0	12.0	18.0	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0
73.0	3. 0.6.0	6. 1.0	12.2	18.3	24.4	30.5	36.6	42.7	48.8	54.9	60.10	66.11
74.0	3. 1.0.0	6. 2.0	12.4	18.6	24.8	30.10	37.0	43.2	49.4	55.6	61.8	67.10
75.0	3. 1.6.0	6. 3.0	12.6	18.9	25.0	31.3	37.6	43.9	50.0	56.3	62.6	68.9
76.0	3. 2.0.0	6. 4.0	12.8	19.0	25.4	31.8	38.0	44.4	50.8	57.0	63.4	69.8
77.0	3. 2.6.0	6. 5.0	12.10	19.3	25.8	32.1	38.6	44.11	51.4	57.9	64.2	70.7
78.0	3. 3.0.0	6. 6.0	13.0	19.6	26.0	32.6	39.0	45.6	52.0	58.6	65.0	71.6
79.0	3. 3.6.0	6. 7.0	13.2	19.9	26.4	32.11	39.6	46.1	52.8	59.3	65.10	72.5
80.0	3. 4.0.0	6. 8.0	13.4	20.0	26.8	33.4	40.0	46.8	53.4	60.0	66.8	73.4
81.0	3. 4.6.0	6. 9.0	13.6	20.3	27.0	33.9	40.6	47.3	54.0	60.9	67.6	74.3
82.0	3. 5.0.0	6.10.0	13.8	20.6	27.4	34.2	41.0	47.10	54.8	61.6	68.4	75.2
83.0	3. 5.6.0	6.11.0	13.10	20.9	27.8	34.7	41.6	48.5	55.4	62.3	69.2	76.1
84.0	3. 6.0.0	7. 0.0	14.0	21.0	28.0	35.0	42.0	49.0	56.0	63.0	70.0	77.0
85.0	3. 6.6.0	7. 1.0	14.2	21.3	28.4	35.5	42.6	49.7	56.8	63.9	70.10	77.11
86.0	3. 7.0.0	7. 2.0	14.4	21.6	28.8	35.10	43.0	50.2	57.4	64.6	71.8	78.10
87.0	3. 7.6.0	7. 3.0	14.6	21.9	29.0	36.3	43.6	50.9	58.0	65.3	72.6	79.9
88.0	3. 8.0.0	7. 4.0	14.8	22.0	29.4	36.8	44.0	51.4	58.8	66.0	73.4	80.8
89.0	3. 8.6.0	7. 5.0	14.10	22.3	29.8	37.1	44.6	51.11	59.4	66.9	74.2	81.7
90.0	3. 9.0.0	7. 6.0	15.0	22.6	30.0	37.6	45.0	52.6	60.0	67.6	75.0	82.6
91.0	3. 9.6.0	7. 7.0	15.2	22.9	30.4	37.11	45.6	53.1	60.8	68.3	75.10	83.5
92.0	3.10.0.0	7. 8.0	15.4	23.0	30.8	38.4	46.0	53.8	61.4	69.0	76.8	84.4
93.0	3.10.6.0	7. 9.0	15.6	23.3	31.0	38.9	46.6	54.3	62.0	69.9	77.6	85.3
94.0	3.11.0.0	7.10.0	15.8	23.6	31.4	39.2	47.0	54.10	62.8	70.6	78.4	86.2
95.0	3.11.6.0	7.11.0	15.10	23.9	31.8	39.7	47.6	55.5	63.4	71.3	79.2	87.1
96.0	4. 0.0.0	8. 0.0	16.0	24.0	32.0	40.0	48.0	56.0	64.0	72.0	80.0	88.0
97.0	4. 0.6.0	8. 1.0	16.2	24.3	32.4	40.5	48.6	56.7	64.8	72.9	80.10	88.11
98.0	4. 1.0.0	8. 2.0	16.4	24.6	32.8	40.10	49.0	57.2	65.4	73.6	81.8	89.10
99.0	4. 1.6.0	8. 3.0	16.6	24.9	33.0	41.3	49.6	57.9	66.0	74.3	82.6	90.9
100.0	4. 2.0.0	8. 4.0	16.8	25.0	33.4	41.8	50.0	58.4	66.8	75.0	83.4	91.8
101.0	4. 2.6.0	8. 5.0	16.10	25.3	33.8	42.1	50.6	58.11	67.4	75.9	84.2	92.7
102.0	4. 3.0.0	8. 6.0	17.0	25.6	34.0	42.6	51.0	59.6	68.0	76.6	85.0	93.6
103.0	4. 3.6.0	8. 7.0	17.2	25.9	34.4	42.11	51.6	60.1	68.8	77.3	85.10	94.5
104.0	4. 4.0.0	8. 8.0	17.4	26.0	34.8	43.4	52.0	60.8	69.4	78.0	86.8	95.4
105.0	4. 4.6.0	8. 9.0	17.6	26.3	35.0	43.9	52.6	61.3	70.0	78.9	87.6	96.3
106.0	4. 5.0.0	8.10.0	17.8	26.6	35.4	44.2	53.0	61.10	70.8	79.6	88.4	97.2
107.0	4. 5.6.0	8.11.0	17.10	26.9	35.8	44.7	53.6	62.5	71.4	80.3	88.2	98.1
108.0	4. 6.0.0	9. 0.0	18.0	27.0	36.0	45.0	54.0	63.0	72.0	81.0	90.0	99.0

	F. I. P.	F. I.	F. I.	F.I.	F.I.	F.I.	F. I.	F.I.	F. I.	F·I.	F. I.	F. I.
F. I.	0. 0.½	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	0.10	0.11
109.0	4. 6.6	9.1	18.2	27.3	36.4	45.5	54.6	63.7	72.8	81.9	90.10	99.11
110.0	4. 7.0	9.2	18.4	27.6	36.8	45.10	55.0	64.2	73.4	82.6	91.8	100.10
111.0	4. 7.6	9.3	18.6	27.9	37.0	46.3	55.6	64.9	74.0	83.3	92.6	101.9
112.0	4. 8.0	9.4	18.8	28.0	37.4	46.8	56.0	65.4	74.8	84.0	93.4	102.8
113.0	4. 8.6	9.5	18.10	28.3	37.8	47.1	56.6	65.11	75.4	84.9	94.2	103.7
114.0	4. 9.0	9.6	19.0	28.6	38.0	47.6	57.0	66.6	76.0	85.6	95.0	104.6
115.0	4. 9.6	9.7	19.2	28.9	38.4	47.11	57.6	67.1	76.8	86.3	95.10	105.5
116.0	4.10.0	9.8	19.4	29.0	38.8	48.4	58.0	67.8	77.4	87.0	96.8	106.4
117.0	4.10.6	9.9	19.6	29.3	39.0	48.9	58.6	68.3	78.0	87.9	97.6	107.3
118.0	4.11.0	9.10	19.8	29.6	39.4	49.2	59.0	68.10	78.8	88.6	98.4	108.2
119.0	4.11.6	9.11	19.10	29.9	39.8	49.7	59.6	69.5	79.4	89.3	99.2	109.1
120.0	5. 0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0
121.0	5. 0.6	10.1	20.2	30.3	40.4	50.5	60.6	70.7	80.8	90.9	100.10	110.11
122.0	5. 1.0	10.2	20.4	30.6	40.8	50.10	61.0	71.2	81.4	91.6	101.8	111.10
123.0	5. 1.6	10.3	20.6	30.9	41.0	51.3	61.6	71.9	82.0	92.3	102.6	112.9
124.0	5. 2.0	10.4	20.8	31.0	41.4	51.8	62.0	72.4	82.8	93.0	103.4	113.8
125.0	5. 2.6	10.5	20.10	31.3	41.8	52.1	62.6	72.11	83.4	93.9	104.2	114.7
126.0	5. 3.0	10.6	21.0	31.6	42.0	52.6	63.0	73.6	84.0	94.6	105.0	115.6
127.0	5. 3.6	10.7	21.2	31.9	42.4	52.11	63.6	74.1	84.8	95.3	105.10	116.5
128.0	5. 4.0	10.8	21.4	32.0	42.8	53.4	64.0	74.8	85.4	96.0	106.8	117.4
129.0	5. 4.6	10.9	21.6	32.3	43.0	53.9	64.6	75.3	86.0	96.9	107.6	118.3
130.0	5. 5.0	10.10	21.8	32.6	43.4	54.2	65.0	75.10	86.8	97.6	108.4	119.2
131.0	5. 5.6	10.11	21.10	32.9	43.8	54.7	65.6	76.5	87.4	98.3	109.2	120.1
132.0	5. 6.0	11.0	22.0	33.0	44.0	55.0	66.0	77.0	88.0	99.0	110.0	121.0
133.0	5. 6.6	11.1	22.2	33.3	44.4	55.5	66.6	77.7	88.8	99.9	110.10	121.11
134.0	5. 7.0	11.2	22.4	33.6	44.8	55.10	67.0	78.2	89.4	100.6	111.8	122.10
135.0	5. 7.6	11.3	22.6	33.9	45.0	56.3	67.6	78.9	90.0	101.3	112.6	123.9
136.0	5. 8.0	11.4	22.8	34.0	45.4	56.8	68.0	79.4	90.8	102.0	113.4	124.8
137.0	5. 8.6	11.5	22.10	34.3	45.8	57.1	68.6	79.11	91.4	102.9	114.2	125.7
138.0	5. 9.0	11.6	23.0	34.6	46.0	57.6	69.0	80.6	92.0	103.6	115.0	126.6
139.0	5. 9.6	11.7	23.2	34.9	46.4	57.11	69.6	81.1	92.8	104.3	115.10	127.5
140.0	5.10.0	11.8	23.4	35.0	46.8	58.4	70.0	81.8	93.4	105.0	116.8	128.4
141.0	5.10.6	11.9	23.6	35.3	47.0	58.9	70.6	82.3	94.0	105.9	117.6	129.3
142.0	5.11.0	11.10	23.8	35.6	47.4	59.2	71.0	82.10	94.8	106.6	118.4	130.2
143.0	5.11.6	11.11	23.10	35.9	47.8	59.7	71.6	83.5	95.4	107.3	119.2	131.1
144.0	6. 0.0	12.0	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0	132.0
145.0	6. 0.6	12.1	24.2	36.3	48.4	60.5	72.6	84.7	96.8	108.9	120.10	132.11
146.0	6. 1.0	12.2	24.4	36.6	48.8	60.10	73.0	85.2	97.4	109.6	121.8	133.10
147.0	6. 1.6	12.3	24.6	36.9	49.0	61.3	73.6	85.9	98.0	110.3	122.6	134.9
148.0	6. 2.0	12.4	24.8	37.0	49.4	61.8	74.0	86.4	98.8	111.0	123.4	135.8
149.0	6. 2.6	12.5	24.10	37.3	49.8	62.1	74.6	86.11	99.4	111.9	124.2	136.7
150.0	6. 3.0	12.6	25.0	37.6	50.0	62.6	75.0	87.6	100.0	112.6	125.0	137.6
151.0	6. 3.6	12.7	25.2	37.9	50.4	62.11	75.6	88.1	100.8	113.3	125.10	138.5
152.0	6. 4.0	12.8	25.4	38.0	50.8	63.4	76.0	88.8	101.4	114.0	126.8	139.4
153.0	6. 4.6	12.9	25.6	38.3	51.0	63.9	76.6	89.3	102.0	114.9	127.6	140.3
154.0	6. 5.0	12.10	25.8	38.6	51.4	64.2	77.0	89.10	102.8	115.6	128.4	141.2
155.0	6. 5.6	12.11	25.10	38.9	51.8	64.7	77.6	90.5	103.4	116.3	129.2	142.1
156.0	6. 6.0	13.0	26.0	39.0	52.0	65.0	78.0	91.0	104.0	117.0	130.0	143.0
157.0	6. 6.6	13.1	26.2	39.3	52.4	65.5	78.6	91.7	104.8	117.9	130.10	143.11
158.0	6. 7.0	13.2	26.4	39.6	52.8	65.10	79.0	92.2	105.4	118.6	131.8	144.10
159.0	6. 7.6	13.3	26.6	39.9	53.0	66.3	79.6	92.9	106.0	119.3	132.6	145.9
160.0	6. 8.0	13.4	26.8	40.0	53.4	66.8	80.0	93.4	106.8	120.0	133.4	146.8
161.0	6. 8.6	13.5	26.10	40.3	53.8	67.1	80.6	93.11	107.4	120.9	134.2	147.7
162.0	6. 9.0	13.6	27.0	40.6	54.0	67.6	81.0	94.6	108.0	121.6	135.0	148.6
163.0	6. 9.6	13.7	27.2	40.9	54.4	67.11	81.6	95.1	108.8	122.3	135.10	149.5
164.0	6.10.0	13.8	27.4	41.0	54.8	68.4	82.0	95.8	109.4	123.0	136.8	150.4
165.0	6.10.6	13.9	27.6	41.3	35.0	68.9	82.6	96.3	110.0	123.9	137.6	151.3
166.0	6.11.0	13.10	27.8	41.6	55.4	69.2	83.0	96.10	110.8	124.6	138.4	152.2
167.0	6.11.6	13.11	27.10	41.9	55.8	69.7	83.6	97.5	111.4	125.3	139.2	153.1
168.0	7. 0.0	14.0	28.0	42.0	56.0	70.0	84.0	98.0	112.0	126.0	140.0	154.0
169.0	7. 0.6	14.1	28.2	42.3	56.4	70.5	84.6	98.7	112.8	126.9	140.10	154.11
170.0	7. 1.0	14.2	28.4	42.6	56.8	70.10	85.0	99.2	113.4	127.6	141.8	155.10
171.0	7. 1.6	14.3	28.6	42.9	57.0	71.3	85.6	99.9	114.0	128.3	142.6	156.9
172.0	7. 2.0	14.4	28.8	43.0	57.4	71.8	86.0	100.4	114.8	129.0	143.4	157.8
173.0	7. 2.6	14.5	28.10	43.3	57.8	72.1	86.6	100.11	115.4	129.9	144.2	158.7
174.0	7. 3.0	14.6	29.0	43.6	58.0	72.6	87.0	101.6	116.0	130.6	145.0	159.6
175.0	7. 3.6	14.7	29.2	43.9	58.4	72.11	87.6	102.1	116.8	131.3	145.10	160.5
176.0	7. 4.0	14.8	29.4	44.0	58.8	73.4	88.0	102.8	117.4	132.0	146.8	161.4
177.0	7. 4.6	14.9	29.6	44.3	59.0	73.9	88.6	103.3	118.0	132.9	147.6	162.3
178.0	7. 5.0	14.10	29.8	44.6	59.4	74.2	89.0	103.10	118.8	133.6	148.4	163.2
179.0	7. 5.6	14.11	29.10	44.9	59.8	74.7	89.6	104.5	119.4	134.3	149.2	164.1
180.0	7. 6.0	15.0	30.0	45.0	60.0	75.0	90.0	105.0	120.0	135.0	150.0	165.0
181.0	7. 6.6	15.1	30.2	45.3	60.4	75.5	90.6	105.7	120.8	135.9	150.10	165.11
182.0	7. 7.0	15.2	30.4	45.6	60.8	75.10	91.0	106.2	121.4	136.6	151.8	166.10
183.0	7. 7.6	15.3	30.6	45.9	61.0	76.3	91.6	106.9	122.0	137.3	152.6	167.9
184.0	7. 8.0	15.4	30.8	46.0	61.4	36.8	92.0	107.4	122.8	138.0	153.4	168.8
185.0	7. 8.6	15.5	30.10	46.3	61.8	77.1	92.6	107.11	123.4	138.9	154.2	169.7
186.0	7. 9.0	15.6	31.0	46.6	62.0	77.6	93.0	108.6	124.0	139.6	155.0	170.6
187.0	7. 9.6	15.7	31.2	46.9	62.4	77.11	93.6	109.1	124.8	140.3	155.10	171.5
188.0	7.10.0	15.8	31.4	47.0	62.8	78.4	94.0	109.8	125.4	141.0	156.8	172.4
189.0	7.10.6	15.9	31.6	47.3	63.0	78.9	94.6	110.3	126.0	141.9	157.6	173.3
190.0	7.11.0	15.10	31.8	47.6	63.4	79.2	95.0	110.10	126.8	142.6	158.4	174.2
191.0	7.11.6	15.11	31.10	47.9	63.8	79.7	95.6	111.5	127.4	143.3	159.2	175.1
192.0	8. 0.0	16.0	32.0	48.0	64.0	80.0	96.0	112.0	128.0	44.0	160.0	176.0
193.0	8. 0.6	16.1	32.2	48.3	64.4	80.5	96.6	112.7	128.8	144.9	160.10	176.11
194.0	8. 1.0	16.2	32.4	48.6	64.8	80.10	97.0	113.2	129.4	145.6	161.8	177.10
195.0	8. 1.6	16.3	32.6	48.9	65.0	81.3	97.6	113.9	130.0	146.3	162.6	178.9
196.0	8. 2.0	16.4	32.8	49.0	65.4	81.8	98.0	114.4	130.8	147.0	163.4	179.8
197.0	8. 2.6	16.5	32.10	49.3	65.8	82.1	98.6	114.11	131.4	147.9	164.2	180.7
198.0	8. 3.0	16.6	33.0	49.6	66.0	82.6	99.0	115.6	132.0	148.6	165.0	181.6
199.0	8. 3.6	16.7	33.2	49.9	66.4	82.11	99.6	116.1	132.8	149.3	165.10	182.5
200.0	8. 4.0	16.8	33.4	50.0	66.8	83.4	100.0	116.8	133.4	150.0	166.8	183.4
201.0	8. 4.6	16.9	33.6	50.3	67.0	83.9	100.6	117.3	134.0	150.9	167.6	184.3
202.0	8. 5.0	16.10	33.8	50.6	67.4	84.2	101.0	117.10	134.8	151.6	168.4	185.2
203.0	8. 5.6	16.11	33.10	50.9	67.8	84.7	101.6	118.5	135.4	152.3	169.2	186.1
204.0	8. 6.0	17.0	34.0	51.0	68.0	85.0	102.0	119.0	136.0	153.0	170.0	187.0
205.0	8. 6.6	17.1	34.2	51.3	68.4	85.5	102.6	119.7	136.8	153.9	170.10	187.11
206.0	8. 7.0	17.2	34.4	51.6	68.8	85.10	103.0	120.2	137.4	154.6	171.8	188.10
207.0	8. 7.6	17.3	34.6	51.9	69.0	86.3	103.6	120.9	138.0	155.3	172.6	189.9
208.6	8. 8.0	17.4	34.8	52.0	69.4	86.8	104.0	121.4	138.8	156.0	173.4	190.8
209.0	8. 8.6	17.5	34.10	52.3	69.8	87.1	104.6	121.11	139.4	156.9	174.2	191.7
210.0	8. 9.0	17.6	35.0	52.6	70.0	87.6	105.0	122.6	140.0	157.6	175.0	192.6
211.0	8. 9.6	17.7	35.2	52.9	70.4	87.11	105.6	123.1	140.8	158.3	175.10	193.5
212.0	8.10.0	17.8	35.4	53.0	70.8	88.4	106.0	123.8	141.4	159.0	176.8	194.4
213.0	8.10.6	17.9	35.6	53.3	71.0	88.9	106.6	124.3	142.0	159.9	177.6	195.3
214.0	8.11.0	17.10	35.8	53.6	71.4	89.2	107.0	124.10	142.8	160.6	178.4	196.2
215.0	8.11.6	17.11	35.10	53.9	71.8	89.7	107.6	125.5	143.4	161.3	179.2	197.1
216.0	9. 0.0	18.0	36.0	54.0	72.0	90.0	108.0	126.0	144.0	162.0	180.0	198.0
217.0	9. 0.6	18.1	36.2	54.3	72.4	90.5	108.6	126.7	144.8	162.9	180.10	198.11
218.0	9. 1.0	18.2	36.4	54.6	72.8	90.10	109.0	127.2	145.4	163.6	181.8	199.10
219.0	9. 1.6	18.3	36.6	54.9	73.0	91.3	109.6	127.9	146.0	164.3	182.6	200.9
220.0	9. 2.0	18.4	36.8	55.0	73.4	91.8	110.0	128.4	146.8	165.0	183.4	201.8
221.0	9. 2.6	18.5	36.10	55.3	73.8	92.1	110.6	128.11	147.4	165.9	184.2	202.7
222.0	9. 3.0	18.6	37.0	55.6	74.0	92.6	111.0	129.6	148.0	166.6	185.0	203.6
223.0	9. 3.6	18.7	37.2	55.9	74.4	92.11	111.6	130.1	148.8	167.3	185.10	204.5
224.0	9. 4.0	18.8	37.4	56.0	74.8	93.4	112.0	130.8	149.4	168.0	186.8	205.4
225.0	9. 4.6	18.9	37.6	56.3	75.0	93.9	112.6	131.3	150.0	168.9	187.6	206.3
226.0	9. 5.0	18.10	37.8	56.6	75.4	94.2	113.0	131.10	150.8	169.6	188.4	207.2
227.0	9. 5.6	18.11	37.10	56.9	75.8	94.7	113.6	132.5	151.4	170.3	189.2	208.1
228.0	9. 6.0	19.0	38.0	57.0	76.0	95.0	114.0	133.0	152.0	171.0	190.0	209.0

A TABLE of FEET and INCHES.

From 229 Foot, by Half an Inch; to 468 Foot, by 11 Inches.

	F.I.P.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.	F.I.
F.I.	0. 0.½	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	0.10	0.11
229.0	9. 6.6	19.1	38.2	57.3	76.4	95.5	114.6	133.7	152.8	171.9	190.10	209.11
230.0	9. 7.0	19.2	38.4	57.6	76.8	95.10	115.0	134.2	153.4	172.6	191.8	210.10
231.0	9. 7.6	19.3	38.6	57.9	77.0	96.3	115.6	134.9	154.0	173.3	192.6	211.9
232.0	9. 8.0	19.4	38.8	58.0	77.4	96.8	116.0	135.4	154.8	174.0	193.4	212.8
233.0	9. 8.6	19.5	38.10	58.3	77.8	97.1	116.6	135.11	155.4	174.9	194.2	213.7
234.0	9. 9.0	19.6	39.0	58.6	78.0	97.6	117.0	136.6	156.0	175.6	195.0	214.6
235.0	9. 9.6	19.7	39.2	58.9	78.4	97.11	117.6	137.1	156.8	176.3	195.10	215.5
236.0	9.10.0	19.8	39.4	59.0	78.8	98.4	118.0	137.8	157.4	177.0	196.8	216.4
237.0	9.10.6	19.9	39.6	59.3	79.0	98.9	118.6	138.3	158.0	177.9	197.6	217.3
238.0	9.11.0	19.10	39.8	59.6	79.4	99.2	119.0	138.10	158.8	178.6	198.4	218.2
239.0	9.11.6	19.11	39.10	59.9	79.8	99.7	119.6	139.5	159.4	179.3	199.2	219.1
240.0	10. 0.0	20.0	40.0	60.0	80.0	100.0	120.0	140.0	160.0	180.0	200.0	220.0
241.0	10. 0.6	20.1	40.2	60.3	80.4	100.5	120.6	140.7	160.8	180.9	200.10	220.11
242.0	10. 1.0	20.2	40.4	60.6	80.8	100.10	121.0	141.2	161.4	181.6	201.8	221.10
243.0	10. 1.6	20.3	40.6	60.9	81.0	101.3	121.6	141.9	162.0	182.3	202.6	222.9
244.0	10. 2.0	20.4	40.8	61.0	81.4	101.8	122.0	142.4	162.8	183.0	203.4	223.8
245.0	10. 2.6	20.5	40.10	61.3	81.8	102.1	122.6	142.11	163.4	183.9	204.2	224.7
246.0	10. 3.0	20.6	41.0	61.6	82.0	102.6	123.0	143.6	164.0	184.6	205.0	225.6
247.0	10. 3.6	20.7	41.2	61.9	82.4	102.11	123.6	144.1	164.8	185.3	205.10	226.5
248.0	10. 4.0	20.8	41.4	62.0	82.8	103.4	124.0	144.8	165.4	186.0	206.8	227.4
249.0	10. 4.6	20.9	41.6	62.3	83.0	103.9	124.6	145.3	166.0	186.9	207.6	228.3
250.0	10. 5.0	20.10	41.8	62.6	83.4	104.2	125.0	145.10	166.8	187.6	208.4	229.2
251.0	10. 5.6	20.11	41.10	62.9	83.8	104.7	125.6	146.5	167.4	188.3	209.2	230.1
252.0	10. 6.0	21.0	42.0	63.0	84.0	105.0	126.0	147.0	168.0	189.0	210.0	231.0
253.0	10. 6.6	21.1	42.2	63.3	84.4	105.5	126.6	147.7	168.8	189.9	210.10	231.11
254.0	10. 7.0	21.2	42.4	63.6	84.8	105.10	127.0	148.2	169.4	190.6	211.8	232.10
255.0	10. 7.6	21.3	42.6	63.9	85.0	106.3	127.6	148.9	170.0	191.3	212.6	233.9
256.0	10. 8.0	21.4	42.8	64.0	85.4	106.8	128.0	149.4	170.8	192.0	213.4	234.8
257.0	10. 8.6	21.5	42.10	64.3	85.8	107.1	128.6	149.11	171.4	192.9	214.2	235.7
258.0	10. 9.0	21.6	43.0	64.6	86.0	107.6	129.0	150.6	172.0	193.6	215.0	236.6
259.0	10. 9.6	21.7	43.2	64.9	86.4	107.11	129.6	151.1	172.8	194.3	215.10	237.5
260.0	10.10.0	21.8	43.4	65.0	86.8	108.4	130.0	151.8	173.4	195.0	216.8	238.4
261.0	10.10.6	21.9	43.6	65.3	87.0	108.9	130.6	152.3	174.0	195.9	217.6	239.3
262.0	10.11.0	21.10	43.8	65.6	87.4	109.2	131.0	152.10	174.8	196.6	218.4	240.2
263.0	10.11.6	21.11	43.10	65.9	87.8	109.7	131.6	153.5	175.4	197.3	219.2	241.1
264.0	11. 0.0	22.0	44.0	66.0	88.0	110.0	132.0	154.0	176.0	198.0	220.0	242.0
265.0	11. 0.6	22.1	44.2	66.3	88.4	110.5	132.6	154.7	176.8	198.9	220.10	242.11
266.0	11. 1.0	22.2	44.4	66.6	88.8	110.10	133.0	155.2	177.4	199.6	221.8	243.10
267.0	11. 1.6	22.3	44.6	66.9	89.0	111.3	133.6	155.9	178.0	200.3	222.6	244.9
268.0	11. 2.0	22.4	44.8	67.0	89.4	111.8	134.0	156.4	178.8	201.0	223.4	245.8
269.0	11. 2.6	22.5	44.10	67.3	89.8	112.1	134.6	156.11	179.4	201.9	224.2	246.7
270.0	11. 3.0	22.6	45.0	67.6	90.0	112.6	135.0	157.6	180.0	202.6	225.0	247.6
271.0	11. 3.6	22.7	45.2	67.9	90.4	112.11	135.6	158.1	180.8	203.3	225.10	248.5
272.0	11. 4.0	22.8	45.4	68.0	90.8	113.4	136.0	158.8	181.4	204.0	226.8	249.4
273.0	11. 4.6	22.9	45.6	68.3	91.0	113.9	136.6	159.3	182.0	204.9	227.6	250.3
274.0	11. 5.0	22.10	45.8	68.6	91.4	114.2	137.0	159.10	182.8	205.6	228.4	251.2
275.0	11. 5.6	22.11	45.10	68.9	91.8	114.7	137.6	160.5	183.4	206.3	229.2	252.1
276.0	11. 6.0	23.0	46.0	69.0	92.0	115.0	138.0	161.0	184.0	207.0	230.0	253.0
277.0	11. 6.6	23.1	46.2	69.3	92.4	115.5	138.6	161.7	184.8	207.9	230.10	253.11
278.0	11. 7.0	23.2	46.4	69.6	52.8	115.10	139.0	162.2	185.4	208.6	231.8	254.10
279.0	11. 7.6	23.3	46.6	69.9	93.0	116.3	139.6	162.9	186.0	209.3	232.6	255.9
280.0	11. 8.0	23.4	46.8	70.0	93.4	116.8	140.0	163.4	186.8	210.0	233.4	256.8
281.0	11. 8.6	23.5	46.10	70.3	93.8	117.1	140.6	163.11	187.4	210.9	234.2	257.7
282.0	11. 9.0	23.6	47.0	70.6	94.0	117.6	141.0	164.6	188.0	211.6	235.0	258.6
283.0	11. 9.6	23.7	47.2	70.9	94.4	117.11	141.6	165.1	188.8	212.3	235.10	259.5
284.0	11.10.0	23.8	47.4	71.0	94.8	118.4	142.0	165.8	189.4	213.0	236.8	260.4
285.0	11.10.6	23.9	47.6	71.3	95.0	118.9	142.6	166.3	190.0	213.9	237.6	261.3
286.0	11.11.0	23.10	47.8	71.6	95.4	119.2	143.0	166.10	190.8	214.6	238.4	262.2
287.0	11.11.6	23.11	47.10	71.9	95.8	119.7	143.6	167.5	191.4	215.3	239.2	263.1
288.0	12. 0.0	24.0	48.0	72.0	96.0	120.0	144.0	168.0	192.0	216.0	240.0	264.0
289.0	12. 0.6	24.1	48.2	72.3	96.4	120.5	144.6	168.7	192.8	216.9	240.10	264.11
290.0	12. 1.0	24.2	48.4	72.6	96.8	120.10	145.0	169.2	193.4	217.6	141.8	265.10
291.0	12. 1.6	24.3	48.6	72.9	97.0	121.3	145.6	169.9	194.0	218.3	242.6	266.9
292.0	12. 2.0	24.4	48.8	73.0	97.4	121.8	146.0	170.4	194.8	219.0	243.4	267.8
293.0	12. 2.6	24.5	48.10	73.3	97.8	122.1	146.6	170.11	195.4	219.9	244.2	268.7
294.0	12. 3.0	24.6	49.0	73.6	98.0	122.6	147.0	171.6	196.0	220.6	245.0	269.6
295.0	12. 3.6	24.7	49.2	73.9	98.4	122.11	147.6	172.1	196.8	221.3	245.10	270.5
296.0	12. 4.0	24.8	49.4	74.0	98.8	123.4	148.0	172.8	197.4	222.0	246.8	271.4
297.0	12. 4.6	24.9	49.6	74.3	99.0	123.9	148.6	173.3	198.0	222.9	247.6	272.3
298.0	12. 5.0	24.10	49.8	74.6	99.4	124.2	149.0	173.10	198.8	223.6	248.4	273.2
299.0	12. 5.6	24.11	49.10	74.9	99.8	124.7	149.6	174.5	199.4	224.3	249.2	274.1
300.0	12. 6.0	25.0	50.0	75.0	100.0	125.0	150.0	175.0	200.0	225.0	250.0	275.0
301.0	12. 6.6	25.1	50.2	75.3	100.4	125.5	150.6	175.7	200.8	225.9	250.10	275.11
302.0	12. 7.0	25.2	50.4	75.6	100.8	125.10	151.0	176.2	201.4	226.6	251.8	276.10
303.0	12. 7.6	25.3	50.6	75.9	101.0	126.3	151.6	176.9	202.0	227.3	252.6	277.9
304.0	12. 8.0	25.4	50.8	76.0	101.4	126.8	152.0	177.4	202.8	228.0	253.4	278.8
305.0	12. 8.6	25.5	50.10	76.3	101.8	127.1	152.6	177.11	203.4	228.9	254.2	279.7
306.0	12. 9.0	25.6	51.0	76.6	102.0	127.6	153.0	178.6	204.0	229.6	255.0	280.6
307.0	12. 9.6	25.7	51.2	76.9	102.4	127.11	153.6	179.1	204.8	230.3	255.10	281.5
308.0	12.10.0	25.8	51.4	77.0	102.8	128.4	154.0	179.8	205.4	231.0	256.8	282.4
309.0	12.10.6	25.9	51.6	77.3	103.0	128.9	154.6	180.3	206.0	231.9	257.6	283.3
310.0	12.11.0	25.10	51.8	77.6	103.4	129.2	155.0	180.10	206.8	232.6	258.4	284.2
311.0	12.11.6	25.11	51.10	77.9	103.8	129.7	155.6	181.5	207.4	233.3	259.2	285.1
312.0	13. 0.0	26.0	52.0	78.0	104.0	130.0	156.0	182.0	208.0	234.0	260.0	286.0
313.0	13. 0.6	26.1	52.2	78.3	104.4	130.5	156.6	182.7	208.8	234.9	260.10	286.11
314.0	13. 1.0	26.2	52.4	78.6	104.8	130.10	157.0	183.2	209.4	235.6	261.8	287.10
315.0	13. 1.6	26.3	52.6	78.9	105.0	131.3	157.6	183.9	210.0	236.3	262.6	288.9
316.0	13. 2.0	26.4	52.8	79.0	105.4	131.8	158.0	184.4	210.8	237.0	263.4	289.8
317.0	13. 2.6	26.5	52.10	79.3	105.8	132.1	158.6	184.11	211.4	237.9	264.2	290.7
318.0	13. 3.0	26.6	53.0	79.6	106.0	132.6	159.0	185.6	212.0	238.6	265.0	291.6
319.0	13. 3.6	26.7	53.2	79.9	106.4	132.11	159.6	186.1	212.8	239.3	265.10	292.5
320.0	13. 4.0	26.8	53.4	80.0	106.8	133.4	160.0	186.8	213.4	240.0	266.8	293.4
321.0	13. 4.6	26.9	53.6	80.3	107.0	133.9	160.6	187.3	214.0	240.9	267.6	294.3
322.0	13. 5.0	26.10	53.8	80.6	107.4	134.2	161.0	187.10	214.8	241.6	268.4	295.2
323.0	13. 5.6	26.11	53.10	80.9	107.8	134.7	161.6	188.5	215.4	242.3	269.2	296.1
324.0	13. 6.0	27.0	54.0	81.0	108.0	135.0	162.0	189.0	216.0	243.0	270.0	297.0
325.0	13. 6.6	27.1	54.2	81.3	108.4	135.5	162.6	189.7	216.8	243.9	270.10	297.11
326.0	13. 7.0	27.2	54.4	81.6	108.8	135.10	163.0	190.2	217.4	244.6	271.8	298.10
327.0	13. 7.6	27.3	54.6	81.9	109.0	136.3	163.6	190.9	218.0	245.3	272.6	299.9
328.0	13. 8.0	27.4	54.8	82.0	109.4	136.8	164.0	191.4	218.8	246.0	273.4	300.8
329.0	13. 8.6	27.5	54.10	82.3	109.8	137.1	164.6	191.11	219.4	246.9	274.2	301.7
330.0	13. 9.0	27.6	55.0	81.6	110.0	137.6	165.0	192.6	220.0	247.6	275.0	302.6
331.0	13. 9.6	27.7	55.2	82.9	110.4	137.11	165.6	193.1	220.8	248.3	275.10	303.5
332.0	13.10.0	27.8	55.4	83.0	110.8	138.4	166.0	193.8	221.4	249.0	276.8	304.4
333.0	13.10.6	27.9	55.6	83.3	111.0	138.9	166.6	194.3	222.0	249.9	277.6	305.3
334.0	13.11.0	27.10	55.8	83.6	111.4	139.2	167.0	194.10	222.8	250.6	278.4	306.2
335.0	13.11.6	27.11	55.10	83.9	111.8	139.7	167.6	195.5	223.4	251.3	279.2	307.1
336.0	14. 0.0	28.0	56.0	84.0	112.0	140.0	168.0	196.0	224.0	252.0	280.0	308.0
337.0	14. 0.6	28.1	56.2	84.3	112.4	140.5	168.6	196.7	224.8	252.9	280.10	308.11
338.0	14. 1.0	28.2	26.4	84.6	112.8	140.10	169.0	197.2	225.4	253.6	281.8	309.10
339.0	14. 1.6	28.3	56.6	84.9	113.0	141.3	169.6	197.9	226.0	254.3	282.6	210.9
340.0	14. 2.0	28.4	56.8	85.0	113.4	141.8	170.0	198.4	226.8	255.0	283.4	311.8
341.0	14. 2.6	28.5	56.10	85.3	113.8	142.1	170.6	198.11	227.4	255.9	284.2	312.7
342.0	14. 3.0	28.6	57.0	85.6	114.0	142.6	171.0	199.6	228.0	256.6	285.0	313.6
343.0	14. 3.6	28.7	57.2	85.9	114.4	142.11	171.6	200.1	228.8	257.3	285.10	314.5
344.0	14. 4.0	28.8	57.4	86.0	114.8	143.4	172.0	200.8	229.4	258.0	286.8	315.4
345.0	14. 4.6	28.9	57.6	86.3	115.0	143.9	172.6	201.3	230.0	258.9	287.6	316.3
346.0	14. 5.0	28.10	57.8	86.6	115.4	144.2	173.0	201.10	230.8	259.6	288.4	317.2
347.0	14. 5.6	28.11	57.10	86.9	115.8	144.7	173.6	202.5	231.4	260.3	289.2	318.1
348.0	14. 6.0	29.0	58.0	87.0	116.0	145.0	174.0	203.0	232.0	261.0	290.0	319.0
349.0	14. 6.6	29.1	58.2	87.3	116.4	145.5	174.6	203.7	232.8	261.9	290.10	319.11
350.0	14. 7.0	29.2	58.4	87.6	116.8	145.10	175.0	204.2	233.4	262.6	291.8	320.10
351.0	14. 7.6	29.3	58.6	87.9	117.0	146.3	175.6	204.9	234.0	263.3	292.6	321.9
352.0	14. 8.0	29.4	58.8	88.0	117.4	146.8	176.0	205.4	234.8	264.0	293.4	322.8
353.0	14. 8.6	29.5	58.10	88.3	117.8	147.1	176.6	205.11	235.4	264.9	294.2	323.7
354.0	14. 9.0	29.6	59.0	88.6	118.0	147.6	177.0	206.6	236.0	265.6	295.0	324.6
355.0	14. 9.6	29.7	59.2	88.9	118.4	147.11	177.6	207.1	236.8	266.3	295.10	325.5
356.0	14.10.0	29.8	59.4	89.0	118.8	148.4	178.0	207.8	237.4	267.0	296.8	326.4
357.0	14.10.6	29.9	59.6	89.3	119.0	148.9	178.6	208.3	238.0	267.9	297.6	327.3
358.0	14.11.0	29.10	59.8	89.6	119.4	149.2	179.0	208.10	238.8	268.6	298.4	328.2
359.0	14.11.6	29.11	59.10	89.9	119.8	149.7	179.6	209.5	239.4	269.3	299.2	329.1
360.0	15. 0.0	30.0	60.0	90.0	120.0	150.0	180.0	210.0	240.0	270.0	300.0	330.0
361.0	15. 0.6	30.1	60.2	90.3	120.4	150.5	180.6	210.7	240.8	270.9	300.10	330.11
362.0	15. 1.0	30.2	60.4	90.6	120.8	150.10	181.0	211.2	241.4	271.6	301.8	331.10
363.0	15. 1.6	30.3	60.6	90.9	121.0	151.3	181.6	211.9	242.0	272.3	302.6	332.9
364.0	15. 2.0	30.4	60.8	91.0	121.4	151.8	182.0	212.4	242.8	273.0	303.4	333.8
365.0	15. 2.6	30.5	60.10	91.3	121.8	152.1	182.6	212.11	243.4	273.9	304.2	334.7
366.0	15. 3.0	30.6	61.0	91.6	122.0	152.6	183.0	213.6	244.0	274.6	305.0	335.6
367.0	15. 3.6	30.7	61.2	91.9	122.4	152.11	183.6	214.1	244.8	275.3	205.10	336.5
368.0	15. 4.0	30.8	61.4	92.0	122.8	153.4	184.0	214.8	245.4	276.0	306.8	337.4
369.0	15. 4.6	30.9	61.6	92.3	123.0	153.9	184.6	215.3	246.0	276.9	307.6	338.3
370.0	15. 5.0	30.10	61.8	92.6	123.4	154.2	185.0	215.10	246.8	277.6	308.4	339.2
371.0	15. 5.6	30.11	61.10	92.9	123.8	154.7	185.6	216.5	247.4	278.3	309.2	340.1
372.0	15. 6.0	31.0	62.0	93.0	124.0	155.0	186.0	217.0	248.0	279.0	310.0	341.0
373.0	15. 6.6	31.1	62.2	93.3	124.4	155.5	186.6	217.7	248.8	279.9	310.10	341.11
374.0	15. 7.0	31.2	62.4	93.6	124.8	155.10	187.0	218.2	249.4	280.6	311.8	342.10
375.0	15. 7.6	31.3	62.6	93.9	125.0	156.3	187.6	218.9	250.0	281.3	312.6	343.9
376.0	15. 8.0	31.4	62.8	94.0	125.4	156.8	188.0	219.4	250.8	282.0	313.4	344.8
377.0	15. 8.6	31.5	62.10	94.3	125.8	157.1	188.6	219.11	251.4	282.9	314.2	345.7
378.0	15. 9.0	31.6	63.0	94.6	126.0	157.6	189.0	220.6	252.0	283.6	315.0	346.6
379.0	15. 9.6	31.7	63.2	94.9	126.4	157.11	189.6	221.1	252.8	284.3	315.10	347.5
380.0	15.10.0	31.8	63.4	95.0	126.8	158.4	190.0	221.8	253.4	285.0	316.8	348.4
381.0	15.10.6	31.9	63.6	95.3	127.0	158.9	190.6	222.3	254.0	285.9	317.6	349.3
382.0	15.11.0	31.10	63.8	95.6	127.4	159.2	191.0	222.10	254.8	286.6	318.4	350.2
383.0	15.11.6	31.11	63.10	95.9	127.8	159.7	191.6	223.5	255.4	287.3	319.2	351.1
384.0	16. 0.0	32.0	64.0	96.0	128.0	160.0	192.0	224.0	256.0	288.0	320.0	352.0
385.0	16. 0.6	32.1	64.2	96.3	128.4	160.5	192.6	224.7	256.8	288.9	320.10	352.11
386.0	16. 1.0	32.2	64.4	96.6	128.8	160.10	193.0	225.2	257.4	289.6	321.8	353.10
387.0	16. 1.6	32.3	64.6	96.9	129.0	161.3	193.6	225.9	258.0	290.3	322.6	354.9
388.0	16. 2.0	32.4	64.8	97.0	129.4	161.8	194.0	226.4	258.8	291.0	323.4	355.8
389.0	16. 2.6	32.5	64.10	97.3	129.8	162.1	194.6	226.11	259.4	291.9	324.2	356.7
390.0	16. 3.0	32.6	65.0	97.6	130.0	162.6	195.0	227.6	260.0	292.6	325.0	357.6
391.0	16. 3.6	32.7	65.2	97.9	130.4	162.11	195.6	228.1	260.8	293.3	325.10	358.5
392.0	16. 4.0	32.8	65.4	98.0	130.8	163.4	196.0	228.8	261.4	294.0	326.8	359.4
393.0	16. 4.6	32.9	65.6	98.3	131.0	163.9	196.6	229.3	262.0	294.9	327.6	360.3
394.0	16. 5.0	32.10	65.8	98.6	131.4	164.2	197.0	229.10	262.8	295.6	328.4	361.2
395.0	16. 5.6	32.11	65.10	98.9	131.8	164.7	197.6	230.5	263.4	296.3	329.2	362.1
396.0	16. 6.0	33.0	66.0	99.0	132.0	165.0	198.0	231.0	264.0	297.0	330.0	363.0
397.0	16. 6.6	33.1	66.2	99.3	132.4	165.5	198.6	231.7	264.8	297.9	330.10	363.11
398.0	16. 7.0	33.2	66.4	99.6	132.8	165.10	199.0	232.2	265.4	298.6	331.8	364.10
399.0	16. 7.6	33.3	66.6	99.9	133.0	166.3	199.6	232.9	266.0	299.3	332.6	365.9
400.0	16. 8.0	33.4	66.8	100.0	133.4	166.8	200.0	233.4	266.8	300.0	333.4	366.8
401.0	16. 8.6	33.5	66.10	100.3	133.8	167.1	200.6	233.11	267.4	300.9	334.2	367.7
402.0	16. 9.0	33.6	67.0	100.6	134.0	167.6	201.0	234.6	268.0	301.9	335.0	368.6
403.0	16. 9.6	33.7	67.2	100.9	134.4	167.11	201.6	235.1	268.8	302.3	335.10	369.5
404.0	16.10.0	33.8	67.4	101.0	134.8	168.4	202.0	235.8	269.4	303.0	336.8	370.4
405.0	16.10.6	33.9	67.6	101.3	135.0	168.9	202.6	236.3	270.0	303.9	337.6	371.3
406.0	16.11.0	33.10	67.8	101.6	135.4	169.2	203.0	236.10	270.8	304.6	338.4	372.2
407.0	16.11.6	33.11	67.10	101.9	135.8	169.7	203.6	237.5	271.4	305.3	339.2	373.1
408.0	17. 0.0	34.0	68.0	102.0	136.0	170.0	204.0	238.0	272.0	306.0	340.0	374.0
409.0	17. 0.6	34.1	68.2	102.3	136.4	170.5	204.6	238.7	272.8	306.9	340.10	374.11
410.0	17. 1.0	34.2	68.4	102.6	136.8	170.10	205.0	239.2	273.4	307.6	341.8	375.10
411.0	17. 1.6	34.3	68.6	102.9	137.0	171.3	205.6	239.9	274.0	308.3	342.6	376.9
412.0	17. 2.0	34.4	68.8	103.0	137.4	171.8	206.0	240.4	274.8	309.0	343.4	377.8
413.0	17. 2.6	34.5	68.10	103.3	137.8	172.1	206.6	240.11	275.4	309.9	344.2	378.7
414.0	17. 3.0	34.6	69.0	103.6	138.0	172.6	207.0	241.6	276.0	310.6	345.0	379.6
415.0	17. 3.6	34.7	69.2	103.9	138.4	172.11	207.6	242.1	276.8	311.3	345.10	380.5
416.0	17. 4.0	34.8	69.4	104.0	138.8	173.4	208.0	242.8	277.4	312.0	346.8	381.4
417.0	17. 4.6	34.9	69.6	104.3	139.0	173.9	208.6	243.3	278.0	312.9	347.6	382.3
418.0	17. 5.0	34.10	69.8	104.6	139.4	174.2	209.0	243.10	278.8	313.6	348.4	383.2
419.0	17. 5.6	34.11	69.10	104.9	139.8	174.7	209.6	244.5	279.4	314.3	349.2	384.1
420.0	17. 6.0	35.0	70.0	105.0	140.0	175.0	210.0	245.0	280.0	315.0	350.0	385.0
421.0	17. 6.6	35.1	70.2	105.3	140.4	175.5	210.6	245.7	280.8	315.9	350.10	385.11
422.0	17. 7.0	35.2	70.4	105.6	140.8	175.10	211.0	246.2	281.4	316.6	351.8	386.10
423.0	17. 7.6	35.3	70.6	105.9	141.0	176.3	211.6	246.9	282.0	317.3	352.6	387.9
424.0	17. 8.0	35.4	70.8	106.0	141.4	176.8	212.0	247.4	282.8	318.0	353.4	388.8
425.0	17. 8.6	35.5	70.10	106.3	141.8	177.1	212.6	247.11	283.4	318.9	354.2	389.7
426.0	17. 9.0	35.6	71.0	106.6	142.0	177.6	213.9	248.6	284.0	319.6	355.0	390.6
427.0	17. 9.6	35.7	71.2	106.9	142.4	177.11	213.6	249.1	284.8	320.3	355.10	391.5
428.0	17.10.0	35.8	71.4	107.0	142.8	178.4	214.0	249.8	285.4	321.0	356.8	392.4
429.0	17.10.6	35.6	71.6	107.3	143.0	178.9	214.6	250.3	286.0	321.9	357.6	393.3
430.0	17.11.0	35.10	71.8	107.6	143.4	179.2	215.0	250.10	286.8	322.6	358.4	394.2
431.0	17.11.6	35.11	71.10	107.9	143.8	179.7	215.6	251.5	287.4	323.3	359.2	395.1
432.0	18. 0.0	36.0	72.0	108.0	144.0	180.0	216.0	252.0	288.0	324.0	360.0	396.0
433.0	18. 0.6	36.1	72.2	108.3	144.4	180.5	216.6	252.7	288.8	324.9	360.10	396.11
434.0	18. 1.0	36.2	72.4	108.6	144.8	180.10	217.0	253.2	289.4	325.6	361.8	397.10
435.0	18. 1.6	36.3	72.6	108.9	145.0	181.3	217.6	253.9	290.0	326.3	362.6	398.9
436.0	18. 2.0	36.4	72.8	109.0	145.4	181.8	218.0	254.4	290.8	327.0	363.4	399.8
437.0	18. 2.6	36.5	72.10	109.3	145.8	182.1	218.6	254.11	291.4	327.9	364.2	400.7
438.0	18. 3.0	36.6	73.0	109.6	146.0	182.6	219.0	255.6	292.0	328.6	365.0	401.6
439.0	18. 3.6	36.7	73.2	109.9	146.4	182.11	219.6	256.1	292.8	329.3	365.10	402.5
440.0	18. 4.0	36.8	73.4	110.0	146.8	183.4	220.0	256.8	293.4	330.0	366.8	403.4
441.0	18. 4.6	36.9	73.6	110.3	147.0	183.9	220.6	257.3	294.0	330.9	367.6	404.3
442.0	18. 5.0	36.10	73.8	110.6	147.4	184.2	221.0	257.10	294.8	331.6	368.4	405.2
443.0	18. 5.6	36.11	73.10	110.9	147.8	184.7	221.6	258.5	295.4	332.3	369.2	406.1
444.0	18. 6.0	37.0	74.0	111.0	148.0	185.0	222.0	259.0	296.0	333.0	370.0	407.0
445.0	18. 6.6	37.1	74.2	111.3	148.4	185.5	222.6	259.7	296.8	333.9	370.10	407.11
446.0	18. 7.0	37.2	74.4	111.6	148.8	185.10	223.0	260.2	297.4	334.6	371.8	408.10
447.0	18. 7.6	37.3	74.6	111.9	149.0	186.3	223.6	260.9	298.0	335.3	372.6	409.9
448.0	18. 8.0	37.4	74.8	112.0	149.4	186.8	224.0	261.4	298.8	336.0	373.4	410.8
449.0	18. 8.6	37.5	74.10	112.3	149.8	187.1	224.6	261.11	299.4	336.9	374.2	411.7
450.0	18. 9.0	37.6	75.0	112.6	150.0	187.6	225.0	262.6	300.0	337.6	375.0	412.6
451.0	18. 9.6	37.7	75.2	112.9	150.4	187.11	225.6	263.1	300.8	338.3	375.10	413.5
452.0	18.10.0	37.8	75.4	113.0	150.8	188.4	226.0	263.8	301.4	339.0	376.8	414.4
453.0	18.10.6	37.9	75.6	113.3	151.0	188.9	226.6	264.3	302.0	339.9	377.6	415.3
454.0	18.11.0	37.10	75.8	113.6	151.4	189.2	227.0	264.10	302.8	340.6	378.4	416.2
455.0	18.11.6	37.11	75.10	113.9	151.8	189.7	227.6	265.5	303.4	341.3	379.2	417.1
456.0	19. 0.0	38.0	76.0	114.0	152.0	190.0	228.0	266.0	304.0	342.0	380.0	418.0
457.0	19. 0.6	38.1	76.2	114.3	152.4	190.5	228.6	266.7	304.8	342.9	380.10	418.11
458.0	19. 1.0	38.2	76.4	114.6	152.8	190.10	229.0	267.2	305.4	343.6	381.8	419.10
459.0	19. 1.6	38.3	76.6	114.9	153.0	191.3	229.6	267.9	306.0	344.3	382.6	420.9
460.0	19. 2.0	38.4	76.8	115.0	153.4	191.8	230.0	268.4	306.8	345.0	383.4	421.8
461.0	19. 2.6	38.5	76.10	115.3	153.8	192.1	230.6	268.11	307.4	345.9	384.2	422.7
462.0	19. 3.0	38.6	77.0	115.6	154.0	192.6	231.0	269.6	308.0	346.6	385.0	423.6
463.0	19. 3.6	38.7	77.2	115.9	154.4	192.11	231.6	270.1	308.8	347.3	385.10	424.5
464.0	19. 4.0	38.8	77.4	116.0	154.8	193.4	232.0	270.8	309.4	348.0	386.8	425.4
465.0	19. 4.6	38.9	77.6	116.3	155.0	193.9	232.6	271.3	310.0	348.9	387.6	426.3
466.0	19. 5.0	38.10	77.8	116.6	155.4	194.2	233.0	271.10	310.8	349.6	388.4	427.2
467.0	19. 5.6	38.11	77.10	116.9	155.8	194.7	233.6	272.5	311.4	350.3	389.2	428.1
468.0	19. 6.0	39.0	78.0	117.0	156.0	195.0	234.0	273.0	312.0	351.0	390.0	429.0

A TABLE of FEET.

From 13 Foot, by 13 Foot; to 132 Foot, by 24 Foot. AND From 25 Foot, by 25 Foot; to 144 Foot, by 36 Foot.

F. I.	F. I.	F. I.	F. I.	F. I.	F. I.	F. I.	F. I.	F. I.	F. I.	F. I.	F. I.	F. I.
F. I.	13.0	14.0	0.15	0.16	0.17	18.0	19.0	20.0	21.0	22.0	23.0	24.0
13.0	169.0											
14.0	182.0	196.0										
15.0	195.0	210.0	225.0									
16.0	208.0	224.0	240.0	256.0								
17.0	221.0	238.0	255.0	272.0	289.0							
18.0	234.0	252.0	270.0	288.0	306.0	324.0						
19.0	247.0	266.0	285.0	304.0	323.0	342.0	361.0					
20.0	260.0	280.0	300.0	320.0	340.0	360.0	380.0	400.0				
21.0	273.0	294.0	315.0	336.0	357.0	378.0	399.0	420.0	441.0			
22.0	286.0	308.0	330.0	352.0	374.0	396.0	418.0	440.0	462.0	484.0		
23.0	299.0	322.0	345.0	368.0	391.0	414.0	437.0	460.0	483.0	506.0	529.0	
24.0	312.0	336.0	360.0	384.0	408.0	432.0	456.0	480.0	504.0	528.0	552.0	576.0
25.0	325.0	350.0	375.0	400.0	425.0	450.0	475.0	500.0	525.0	550.0	575.0	600.0
26.0	338.0	364.0	390.0	416.0	442.0	468.0	494.0	520.0	546.0	572.0	598.0	624.0
27.0	351.0	378.0	405.0	432.0	459.0	486.0	513.0	540.0	567.0	594.0	621.0	648.0
28.0	364.0	392.0	420.0	448.0	476.0	504.0	532.0	560.0	588.0	616.0	644.0	672.0
29.0	377.0	406.0	435.0	464.0	493.0	522.0	551.0	580.0	609.0	638.0	667.0	696.0
30.0	390.0	420.0	450.0	480.0	510.0	540.0	570.0	600.0	630.0	660.0	690.0	720.0
31.0	403.0	434.0	465.0	496.0	527.0	558.0	589.0	620.0	651.0	682.0	713.0	744.0
32.0	416.0	448.0	480.0	512.0	544.0	576.0	608.0	640.0	672.0	704.0	736.0	768.0
33.0	429.0	462.0	495.0	528.0	561.0	594.0	627.0	660.0	693.0	726.0	759.0	792.0
34.0	442.0	476.0	510.0	544.0	578.0	612.0	646.0	680.0	714.0	748.0	782.0	816.0
35.0	455.0	490.0	525.0	560.0	595.0	630.0	665.0	700.0	735.0	770.0	805.0	840.0
36.0	468.0	504.0	540.0	576.0	612.0	648.0	684.0	720.0	756.0	792.0	828.0	864.0
37.0	481.0	518.0	555.0	592.0	629.0	666.0	703.0	740.0	777.0	814.0	851.0	888.0
38.0	494.0	532.0	570.0	608.0	646.0	684.0	722.0	760.0	798.0	836.0	874.0	912.0
39.0	507.0	546.0	585.0	624.0	663.0	702.0	741.0	780.0	819.0	858.0	897.0	936.0
40.0	520.0	560.0	600.0	640.0	680.0	720.0	760.0	800.0	840.0	880.0	920.0	960.0
41.0	533.0	574.0	615.0	656.0	697.0	738.0	779.0	820.0	861.0	902.0	943.0	984.0
42.0	546.0	588.0	630.0	672.0	714.0	756.0	798.0	840.0	882.0	924.0	966.0	1008.0
43.0	559.0	602.0	645.0	688.0	731.0	774.0	817.0	860.0	903.0	946.0	989.0	1032.0
44.0	572.0	616.0	660.0	704.0	748.0	792.0	836.0	880.0	924.0	968.0	1012.0	1056.0
45.0	585.0	630.0	675.0	720.0	765.0	810.0	855.0	900.0	945.0	990.0	1035.0	1080.0
46.0	598.0	644.0	690.0	736.0	782.0	828.0	874.0	920.0	966.0	1012.0	1058.0	1104.0
47.0	611.0	658.0	705.0	752.0	799.0	846.0	893.0	940.0	987.0	1034.0	1081.0	1128.0
48.0	624.0	672.0	720.0	768.0	816.0	864.0	912.0	960.0	1008.0	1056.0	1104.0	1152.0
49.0	637.0	686.0	735.0	784.0	833.0	882.0	931.0	980.0	1029.0	1078.0	1127.0	1176.0
50.0	650.0	700.0	750.0	800.0	850.0	900.0	950.0	1000.0	1050.0	1100.0	1150.0	1200.0
51.0	663.0	714.0	765.0	816.0	867.0	918.0	969.0	1020.0	1071.0	1122.0	1173.0	1224.0
52.0	676.0	728.0	780.0	832.0	884.0	936.0	988.0	1040.0	1092.0	1144.0	1196.0	1248.0
53.0	689.0	742.0	795.0	848.0	901.0	954.0	1007.0	1060.0	1113.0	1166.0	1219.0	1272.0
54.0	702.0	756.0	810.0	864.0	918.0	972.0	1026.0	1080.0	1134.0	1188.0	1242.0	1296.0
55.0	715.0	770.0	825.0	880.0	935.0	990.0	1045.0	1100.0	1155.0	1210.0	1265.0	1320.0
56.0	728.0	784.0	840.0	896.0	952.0	1008.0	1064.0	1120.0	1176.0	1232.0	1288.0	1344.0
57.0	741.0	798.0	855.0	912.0	969.0	1026.0	1083.0	1140.0	1197.0	1254.0	1311.0	1368.0
58.0	754.0	812.0	870.0	928.0	986.0	1044.0	1102.0	1160.0	1218.0	1276.0	1334.0	1392.0
59.0	767.0	826.0	885.0	944.0	1003.0	1062.0	1121.0	1180.0	1239.0	1298.0	1357.0	1416.0
60.0	780.0	840.0	900.0	960.0	1020.0	1080.0	1140.0	1200.0	1260.0	1320.0	1380.0	1440.0
61.0	793.0	854.0	915.0	976.0	1037.0	1098.0	1159.0	1220.0	1281.0	1342.0	1403.0	1464.0
62.0	806.0	868.0	930.0	992.0	1054.0	1116.0	1178.0	1240.0	1302.0	1364.0	1426.0	1488.0
63.0	819.0	882.0	945.0	1008.0	1071.0	1134.0	1197.0	1260.0	1323.0	1386.0	1449.0	1512.0
64.0	832.0	896.0	960.0	1024.0	1088.0	1152.0	1216.0	1280.0	1344.0	1408.0	1472.0	1536.0
65.0	845.0	910.0	975.0	1040.0	1105.0	1170.0	1235.0	1300.0	1365.0	1430.0	1495.0	1560.0
66.0	858.0	924.0	990.0	1056.0	1122.0	1188.0	1254.0	1320.0	1386.0	1452.0	1518.0	1584.0
67.0	871.0	938.0	1005.0	1072.0	1139.0	1206.0	1273.0	1340.0	1407.0	1474.0	1541.0	1608.0
68.0	884.0	952.0	1020.0	1088.0	1156.0	1224.0	1292.0	1360.0	1428.0	1496.0	1564.0	1632.0
69.0	897.0	966.0	1035.0	1104.0	1173.0	1242.0	1311.0	1380.0	1449.0	1518.0	1587.0	1656.0
70.0	910.0	980.0	1050.0	1120.0	1190.0	1260.0	1330.0	1400.0	1470.0	1540.0	1610.0	1680.0
71.0	923.0	994.0	1065.0	1136.0	1207.0	1278.0	1349.0	1420.0	1491.0	1562.0	1633.0	1704.0
72.0	936.0	1008.0	1080.0	1152.0	1224.0	1296.0	1368.0	1440.0	1512.0	1584.0	1656.0	1728.0
73.0	949.0	1022.0	1095.0	1168.0	1241.0	1314.0	1387.0	1460.0	1533.0	1606.0	1679.0	1752.0
74.0	962.0	1036.0	1110.0	1184.0	1258.0	1332.0	1406.0	1480.0	1554.0	1628.0	1702.0	1776.0
75.0	975.0	1050.0	1125.0	1200.0	1275.0	1350.0	1425.0	1500.0	1575.0	1650.0	1725.0	1800.0
76.0	988.0	1064.0	1140.0	1216.0	1292.0	1368.0	1444.0	1520.0	1596.0	1672.0	1748.0	1824.0
77.0	1001.0	1078.0	1155.0	1232.0	1309.0	1386.0	1463.0	1540.0	1617.0	1694.0	1771.0	1848.0
78.0	1014.0	1092.0	1170.0	1248.0	1326.0	1404.0	1482.0	1560.0	1638.0	1716.0	1794.0	1872.0
79.0	1027.0	1106.0	1185.0	1264.0	1343.0	1422.0	1501.0	1580.0	1659.0	1738.0	1817.0	1896.0
80.0	1040.0	1120.0	1200.0	1280.0	1360.0	1440.0	1520.0	1600.0	1680.0	1760.0	1840.0	1920.0
81.0	1053.0	1134.0	1215.0	1296.0	1377.0	1458.0	1539.0	1620.0	1701.0	1782.0	1863.0	1944.0
82.0	1066.0	1148.0	1230.0	1312.0	1394.0	1476.0	1558.0	1640.0	1722.0	1804.0	1886.0	1968.0
83.0	1079.0	1162.0	1245.0	1328.0	1411.0	1494.0	1577.0	1660.0	1743.0	1826.0	1909.0	1992.0
84.0	1092.0	1176.0	1260.0	1344.0	1428.0	1512.0	1596.0	1680.0	1764.0	1848.0	1932.0	2016.0
85.0	1105.0	1190.0	1275.0	1360.0	1445.0	1530.0	1615.0	1700.0	1785.0	1870.0	1955.0	2040.0
86.0	1118.0	1204.0	1290.0	1376.0	1462.0	1548.0	1634.0	1720.0	1806.0	1892.0	1978.0	2064.0
87.0	1131.0	1218.0	1305.0	1392.0	1479.0	1566.0	1653.0	1740.0	1827.0	1914.0	2001.0	2088.0
88.0	1144.0	1232.0	1320.0	1408.0	1496.0	1584.0	1672.0	1760.0	1848.0	1936.0	2024.0	2112.0
89.0	1157.0	1246.0	1335.0	1424.0	1513.0	1602.0	1691.0	1780.0	1869.0	1958.0	2047.0	2136.0
90.0	1170.0	1260.0	1350.0	1440.0	1530.0	1620.0	1710.0	1800.0	1890.0	1980.0	2070.0	2160.0
91.0	1183.0	1274.0	1365.0	1456.0	1547.0	1638.0	1729.0	1820.0	1911.0	2002.0	2093.0	2184.0
92.0	1196.0	1288.0	1380.0	1472.0	1564.0	1656.0	1748.0	1840.0	1932.0	2024.0	2116.0	2208.0
93.0	1209.0	1302.0	1395.0	1488.0	1581.0	1674.0	1767.0	1860.0	1953.0	2046.0	2139.0	2232.0
94.0	1222.0	1316.0	1410.0	1504.0	1598.0	1692.0	1786.0	1880.0	1974.0	2068.0	2162.0	2256.0
95.0	1235.0	1330.0	1425.0	1520.0	1615.0	1710.0	1805.0	1900.0	1995.0	2090.0	2185.0	2280.0
96.0	1248.0	1344.0	1440.0	1536.0	1632.0	1728.0	1824.0	1920.0	2016.0	2112.0	2208.0	2304.0
97.0	1261.0	1358.0	1455.0	1552.0	1649.0	1746.0	1843.0	1940.0	2037.0	2134.0	2231.0	2328.0
98.0	1274.0	1372.0	1470.0	1568.0	1666.0	1764.0	1862.0	1960.0	2058.0	2156.0	2254.0	2352.0
99.0	1287.0	1386.0	1485.0	1584.0	1683.0	1782.0	1881.0	1980.0	2079.0	2178.0	2277.0	2376.0
100.0	1300.0	1400.0	1500.0	1600.0	1700.0	1800.0	1900.0	2000.0	2100.0	2200.0	2300.0	2400.0
101.0	1313.0	1414.0	1515.0	1616.0	1717.0	1818.0	1919.0	2020.0	2121.0	2222.0	2323.0	2424.0
102.0	1326.0	1428.0	1530.0	1632.0	1734.0	1836.0	1938.0	2040.0	2142.0	2244.0	2346.0	2448.0
103.0	1339.0	1442.0	1545.0	1648.0	1751.0	1854.0	1957.0	2060.0	2163.0	2266.0	2369.0	2472.0
104.0	1352.0	1456.0	1560.0	1664.0	1768.0	1872.0	1976.0	2080.0	2184.0	2288.0	2392.0	2496.0
105.0	1365.0	1470.0	1575.0	1680.0	1785.0	1890.0	1995.0	2100.0	2205.0	2310.0	2415.0	2520.0
106.0	1378.0	1484.0	1590.0	1696.0	1802.0	1908.0	2014.0	2120.0	2226.0	2332.0	2438.0	2544.0
107.0	1391.0	1498.0	1605.0	1712.0	1819.0	1926.0	2033.0	2140.0	2247.0	2354.0	2461.0	2568.0
108.0	1404.0	1512.0	1620.0	1728.0	1836.0	1944.0	2052.0	2160.0	2268.0	2376.0	2484.0	2592.0
109.0	1417.0	1526.0	1635.0	1744.0	1853.0	1962.0	2071.0	2180.0	2289.0	2398.0	2507.0	2616.0
110.0	1430.0	1540.0	1650.0	1760.0	1870.0	1980.0	2090.0	2200.0	2310.0	2420.0	2530.0	2640.0
111.0	1443.0	1554.0	1665.0	1776.0	1887.0	1998.0	2109.0	2220.0	2331.0	2442.0	2553.0	2664.0
112.0	1456.0	1568.0	1680.0	1792.0	1904.0	2016.0	2128.0	2240.0	2352.0	2464.0	2576.0	2688.0
113.0	1469.0	1582.0	1695.0	1808.0	1921.0	2034.0	2147.0	2260.0	2373.0	2486.0	2599.0	2712.0
114.0	1482.0	1596.0	1710.0	1824.0	1938.0	2052.0	2166.0	2280.0	2394.0	2508.0	2622.0	2736.0
115.0	1495.0	1610.0	1725.0	1840.0	1955.0	2070.0	2185.0	2300.0	2415.0	2530.0	2645.0	2760.0
116.0	1508.0	1624.0	1740.0	1856.0	1972.0	2088.0	2204.0	2320.0	2436.0	2552.0	2668.0	2784.0
117.0	1521.0	1638.0	1755.0	1872.0	1989.0	2106.0	2223.0	2340.0	2457.0	2574.0	2691.0	2808.0
118.0	1534.0	1652.0	1770.0	1888.0	2006.0	2124.0	2242.0	2360.0	2478.0	2596.0	2714.0	2832.0
119.0	1547.0	1666.0	1785.0	1904.0	2023.0	2142.0	2261.0	2380.0	2499.0	2618.0	2737.0	2856.0
120.0	1560.0	1680.0	1800.0	1920.0	2040.0	2160.0	2280.0	2400.0	2520.0	2640.0	2760.0	2880.0
121.0	1573.0	1694.0	1815.0	1936.0	2057.0	2178.0	2299.0	2420.0	2541.0	2662.0	2783.0	2904.0
122.0	1586.0	1708.0	1830.0	1952.0	2074.0	2196.0	2318.0	2440.0	2562.0	2684.0	2806.0	2928.0
123.0	1599.0	1722.0	1845.0	1968.0	2091.0	2214.0	2337.0	2460.0	2583.0	2706.0	2829.0	2952.0
124.0	1612.0	1736.0	1860.0	1984.0	2108.0	2232.0	2356.0	2480.0	2604.0	2728.0	2852.0	2976.0
125.0	1625.0	1750.0	1875.0	2000.0	2125.0	2250.0	2375.0	2500.0	2625.0	2750.0	2875.0	3000.0
126.0	1638.0	1764.0	1890.0	2016.0	2142.0	2268.0	2394.0	2520.0	2646.0	2772.0	2898.0	3024.0
127.0	1651.0	1778.0	1905.0	2032.0	2159.0	2286.0	2413.0	2540.0	2667.0	2794.0	2921.0	3048.0
128.0	1664.0	1792.0	1920.0	2048.0	2176.0	2304.0	2432.0	2560.0	2688.0	2816.0	2944.0	3072.0
129.0	1677.0	1806.0	1935.0	2064.0	2193.0	2322.0	2451.0	2580.0	2709.0	2838.0	2967.0	3096.0
130.0	1690.0	1820.0	1950.0	2080.0	2210.0	2340.0	2470.0	2600.0	2730.0	2860.0	2990.0	3120.0
131.0	1703.0	1834.0	1965.0	2096.0	2227.0	2358.0	2489.0	2620.0	2751.0	2882.0	3013.0	3144.0
132.0	1716.0	1848.0	1980.0	2112.0	2244.0	2376.0	2508.0	2640.0	2772.0	2904.0	3036.0	3168.0

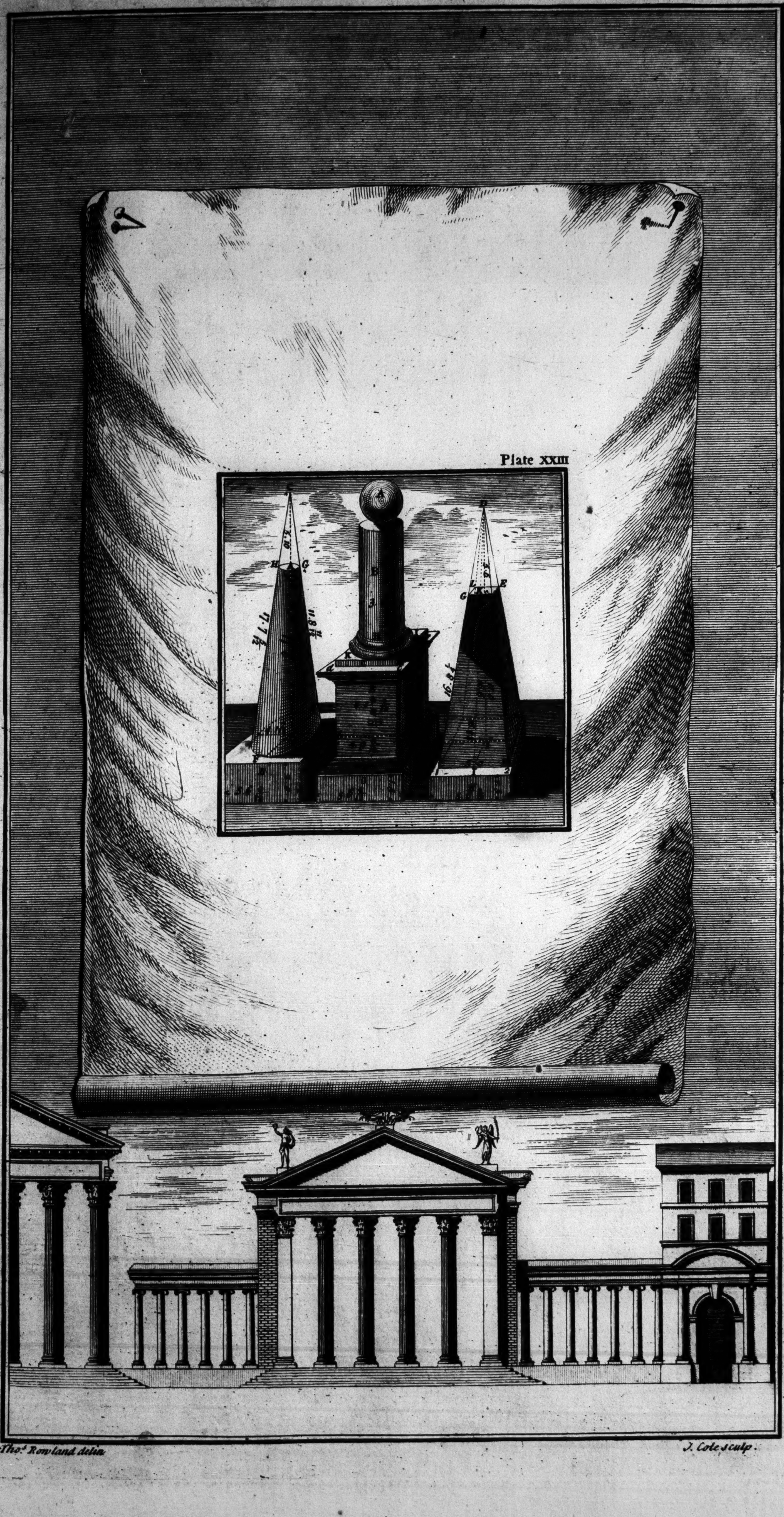
F. I.	F. I.	F. I.	F. I.	F. I.	F. I.	F. I.	F. I.	F. I.	F. I.	F. I.	F. I.	F. I.
F. I.	25.0	26.0	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0	36.0
25.0	625.0											
26.0	650.0	676.0										
27.0	675.0	702.0	729.0									
28.0	700.0	728.0	756.0	784.0								
29.0	725.0	754.0	783.0	812.0	841.0							
30.0	750.0	780.0	810.0	840.0	870.0	900.0						
31.0	775.0	806.0	837.0	868.0	899.0	930.0	961.0					
32.0	800.0	832.0	804.0	896.0	928.0	960.0	992.0	1024.0				
33.0	825.0	858.0	891.0	924.0	957.0	990.0	1023.0	1056.0	1089.0			
34.0	850.0	884.0	918.0	952.0	986.0	1020.0	1054.0	1088.0	1122.0	1156.0		
35.0	875.0	910.0	945.0	980.0	1015.0	1050.0	1085.0	1120.0	1155.0	1190.0	1225.0	
36.0	900.0	936.0	972.0	1008.0	1044.0	1080.0	1116.0	1152.0	1188.0	1224.0	1260.0	1296.0
37.0	925.0	962.0	999.0	1036.0	1073.0	1110.0	1147.0	1184.0	1221.0	1258.0	1295.0	1332.0
38.0	950.0	988.0	1026.0	1064.0	1102.0	1140.0	1178.0	1216.0	1254.0	1292.0	1330.0	1368.0
39.0	975.0	1014.0	1053.0	1092.0	1131.0	1170.0	1209.0	1248.0	1287.0	1326.0	1365.0	1404.0
40.0	1000.0	1040.0	1080.0	1120.0	1160.0	1200.0	1240.0	1280.0	1320.0	1360.0	1400.0	1440.0
41.0	1025.0	1066.0	1107.0	1148.0	1189.0	1230.0	1271.0	1312.0	1353.0	1394.0	1435.0	1476.0
42.0	1050.0	1092.0	1134.0	1176.0	1218.0	1260.0	1302.0	1344.0	1386.0	1428.0	1470.0	1512.0
43.0	1075.0	1118.0	1161.0	1204.0	1247.0	1290.0	1333.0	1376.0	1419.0	1462.0	1505.7	1548.0
44.0	1100.0	1144.0	1188.0	1232.0	1276.0	1320.0	1364.0	1408.0	1452.0	1496.0	1540.0	1584.0
45.0	1125.0	1170.0	1215.0	1260.0	1305.0	1350.0	1395.0	1440.0	1485.0	1530.0	1575.0	1620.0
46.0	1150.0	1196.0	1242.0	1288.0	1334.0	1380.0	1426.0	1472.0	1518.0	1564.0	1610.0	1656.0
47.0	1175.0	1222.0	1269.0	1316.0	1363.0	1410.0	1457.0	1504.0	1551.0	1598.0	1645.0	1692.0
48.0	1200.0	1248.0	1296.0	1344.0	1392.0	1440.0	1488.0	1536.0	1584.0	1632.0	1680.0	1728.0
49.0	1225.0	1274.0	1323.0	1372.0	1421.0	1470.0	1519.0	1568.0	1617.0	1666.0	1715.0	1764.0
50.0	1250.0	1300.0	1350.0	1400.0	1450.0	1500.0	1550.0	1600.0	1650.0	1700.0	1750.0	1800.0
51.0	1275.0	1326.0	1377.0	1428.0	1479.0	1530.0	1581.0	1632.0	1683.0	1734.0	1785.0	1836.0
52.0	1300.0	1352.0	1404.0	1456.0	1508.0	1560.0	1612.0	1664.0	1716.0	1768.0	1820.0	1872.0
53.0	1325.0	1378.0	1431.0	1484.0	1537.0	1590.0	1643.0	1696.0	1749.0	1802.0	1855.0	1908.0
54.0	1350.0	1404.0	1458.0	1512.0	1566.0	1620.0	1674.0	1728.0	1782.0	1836.0	1890.0	1944.0
55.0	1375.0	1430.0	1485.0	1540.0	1595.0	1650.0	1705.0	1760.0	1815.0	1870.0	1925.0	1980.0
56.0	1400.0	1456.0	1512.0	1568.0	1624.0	1680.0	1736.0	1792.0	1848.0	1904.0	1960.0	2016.0
57.0	1425.0	1482.0	1539.0	1596.0	1653.0	1710.0	1767.0	1824.0	1881.0	1938.0	1995.0	2052.0
58.0	1450.0	1508.0	1566.0	1624.0	1682.0	1740.0	1798.0	1856.0	1914.0	1972.0	2030.0	2088.0
59.0	1475.0	1534.0	1593.0	1652.0	1711.0	1770.0	1829.0	1888.0	1947.0	2006.0	2065.0	2124.0
60.0	1500.0	1560.0	1620.0	1680.0	1740.0	1800.0	1860.0	1920.0	1980.0	2040.0	2100.0	2160.0
61.0	1525.0	1586.0	1647.0	1708.0	1769.0	1830.0	1891.0	1952.0	2013.0	2074.0	2135.0	2196.0
62.0	1550.0	1612.0	1674.0	1736.0	1798.0	1860.0	1922.0	1984.0	2046.0	2108.0	2170.0	2232.0
63.0	1575.0	1638.0	1701.0	1764.0	1827.0	1890.0	1953.0	2016.0	2079.0	2142.0	2205.0	2268.0
64.0	1600.0	1664.0	1728.0	1792.0	1856.0	1920.0	1984.0	2048.0	2112.0	2176.0	2240.0	2304.0
65.0	1625.0	1690.0	1755.0	1820.0	1885.0	1950.0	2015.0	2080.0	2145.0	2210.0	2275.0	2340.0
66.0	1650.0	1716.0	1782.0	1848.0	1914.0	1980.0	2046.0	2112.0	2178.0	2244.0	2310.0	2376.0
67.0	1675.0	1742.0	1809.0	1876.0	1943.0	2010.0	2077.0	2144.0	2211.0	2278.0	2345.0	2412.0
68.0	1700.0	1768.0	1836.0	1904.0	1972.0	2040.0	2108.0	2176.0	2244.0	2312.0	2380.0	2448.0
69.0	1725.0	1794.0	1863.0	1932.0	2001.0	2070.0	2139.0	2208.0	2277.0	2346.0	2415.0	2484.0
70.0	1750.0	1820.0	1890.0	1960.0	2030.0	2100.0	2170.0	2240.0	2310.0	2380.0	2450.0	2520.0
71.0	1775.0	1846.0	1917.0	1988.0	2059.0	2130.0	2201.0	2272.0	2343.0	2414.0	2485.0	2556.0
72.0	1800.0	1872.0	1944.0	2016.0	2088.0	2160.0	2232.0	2304.0	2376.0	2448.0	2520.0	2592.0
73.0	1825.0	1898.0	1971.0	2044.0	2117.0	2190.0	2263.0	2336.0	2409.0	2482.0	2555.0	2628.0
74.0	1850.0	1924.0	1998.0	2072.0	2146.0	2220.0	2294.0	2368.0	2442.0	2516.0	2590.0	2664.0
75.0	1875.0	1950.0	2025.0	2100.0	2175.0	2250.0	2325.0	2400.0	2475.0	2550.0	2625.0	2700.0
76.0	1900.0	1976.0	2052.0	2128.0	2204.0	2280.0	2356.0	2432.0	2508.0	2584.0	2660.0	2736.0
77.0	1925.0	2002.0	2079.0	2156.0	2233.0	2310.0	2387.0	2464.0	2541.0	2618.0	2695.0	2772.0
78.0	1950.0	2028.0	2106.0	2184.0	2262.0	2340.0	2418.0	2496.0	2574.0	2652.0	2730.0	2808.0
79.0	1975.0	2054.0	2133.0	2212.0	2291.0	2370.0	2449.0	2528.0	2607.0	2686.0	2765.0	2844.0
80.0	2000.0	2080.0	2160.0	2240.0	2320.0	2400.0	2480.0	2560.0	2640.0	2720.0	2800.0	2880.0
81.0	2025.0	2106.0	2187.0	2268.0	2349.0	2430.0	2511.0	2592.0	2673.0	2754.0	2835.0	2916.0
82.0	2050.0	2132.0	2214.0	2296.0	2378.0	2460.0	2542.0	2624.0	2706.0	2788.0	2870.0	2952.0
83.0	2075.0	2158.0	2241.0	2324.0	2407.0	2490.0	2573.0	2656.0	2739.0	2822.0	2905.0	2988.0
84.0	2100.0	2184.0	2268.0	2352.0	2436.0	2520.0	2604.0	2688.0	2772.0	2856.0	2940.0	3024.0
85.0	2125.0	2210.0	2295.0	2380.0	2465.0	2550.0	2635.0	2720.0	2805.0	2890.0	2975.0	3060.0
86.0	2150.0	2236.0	2322.0	2408.0	2494.0	2580.0	2666.0	2752.0	2838.0	2924.0	3010.0	3096.0
87.0	2175.0	2262.0	2349.0	2436.0	2523.0	2610.0	2697.0	2784.0	2871.0	2958.0	3045.0	3132.0
88.0	2200.0	2288.0	2376.0	2464.0	2552.0	2640.0	2728.0	2816.0	2904.0	2992.0	3080.0	3168.0
89.0	2225.0	2314.0	2403.0	2492.0	2581.0	2670.0	2759.0	2848.0	2937.0	3026.0	3115.0	3204.0
90.0	2250.0	2340.0	2430.0	2520.0	2610.0	2700.0	2790.0	2880.0	2970.0	3060.0	3150.0	3240.0
91.0	2275.0	2366.0	2457.0	2548.0	2639.0	2730.0	2821.0	2912.0	3003.0	3094.0	3185.0	3276.0
92.0	2300.0	2392.0	2484.0	2576.0	2668.0	2760.0	2852.0	2944.0	3036.0	3128.0	3220.0	3312.0
93.0	2325.0	2418.0	2511.0	2604.0	2697.0	2790.0	2883.0	2976.0	3069.0	3162.0	3255.0	3348.0
94.0	2350.0	2444.0	2538.0	2632.0	2726.0	2820.0	2914.0	3008.0	3102.0	3196.0	3290.0	3384.0
95.0	2375.0	2470.0	2565.0	2660.0	2755.0	2850.0	2945.0	3040.0	3135.0	3230.0	3325.0	3420.0
96.0	2400.0	2496.0	2592.0	2688.0	2784.0	2880.0	2976.0	3072.0	3168.0	3264.0	3360.0	3456.0
97.0	2425.0	2522.0	2619.0	2716.0	2813.0	2910.0	3007.0	3104.0	3201.0	3298.0	3395.0	3492.0
98.0	2450.0	2548.0	2646.0	2744.0	2842.0	2940.0	3038.0	3136.0	3234.0	3332.0	3430.0	3528.0
99.0	2475.0	2574.0	2673.0	2772.0	2871.0	2970.0	3069.0	3168.0	3267.0	3366.0	3465.0	3564.0
100.0	2500.0	2600.0	2700.0	2800.0	2900.0	3000.0	3100.0	3200.0	3300.0	3400.0	3500.0	3600.0
101.0	2525.0	2626.0	2727.0	2828.0	2929.0	3030.0	3131.0	3232.0	3333.0	3434.0	3535.0	3636.0
102.0	2550.0	2652.0	2754.0	2856.0	2958.0	3060.0	3162.0	3264.0	3366.0	3468.0	3570.0	3672.0
103.0	2575.0	2678.0	2781.0	2884.0	2987.0	3090.0	3193.0	3296.0	3399.0	3502.0	3605.0	3708.0
104.0	2600.0	2704.0	2808.0	2912.0	3016.0	3120.0	3224.0	3328.0	3432.0	3536.0	3640.0	3744.0
105.0	2625.0	2730.0	2835.0	2940.0	3045.0	3150.0	3255.0	3360.0	3465.0	3570.0	3675.0	3780.0
106.0	2650.0	2756.0	2862.0	2968.0	3074.0	3180.0	3286.0	3392.0	3498.0	3604.0	3710.0	3816.0
107.0	2675.0	2782.0	2889.0	2996.0	3103.0	3210.0	3317.0	3424.0	3531.0	3638.0	3745.0	3852.0
108.0	2700.0	2808.0	2916.0	3024.0	3132.0	3240.0	3348.0	3456.0	3564.0	3672.0	3780.0	3888.0
109.0	2725.0	2834.0	2943.0	3052.0	3161.0	3270.0	3379.0	3488.0	3597.0	3706.0	3815.0	3924.0
110.0	2750.0	2860.0	2970.0	3080.0	3190.0	3300.0	3410.0	3520.0	3630.0	3740.0	3850.0	3960.0
111.0	2775.0	2886.0	2997.0	3108.0	3219.0	3330.0	3441.0	3552.0	3663.0	3774.0	3885.0	3996.0
112.0	2800.0	2912.0	3024.0	3136.0	3248.0	3360.0	3472.0	3584.0	3696.0	3808.0	3920.0	4032.0
113.0	2825.0	2938.0	3051.0	3164.0	3277.0	3390.0	3503.0	3616.0	3729.0	3842.0	3955.0	4068.0
114.0	2850.0	2964.0	3078.0	3192.0	3306.0	3420.0	3534.0	3648.0	3762.0	3876.0	3990.0	4104.0
115.0	2875.0	2990.0	3105.0	3220.0	3335.0	3450.0	3565.0	3680.0	3795.0	3910.0	4025.0	4140.0
116.0	2900.0	3016.0	3132.0	3248.0	3364.0	3480.0	3596.0	3712.0	3828.0	3944.0	4060.0	4176.0
117.0	2925.0	3042.0	3159.0	3276.0	3393.0	3510.0	3627.0	3744.0	3861.0	3978.0	4095.0	4212.0
118.0	2950.0	3068.0	3186.0	3304.0	3422.0	3540.0	3658.0	3776.0	3894.0	4012.0	4130.0	4248.0
119.0	2975.0	3094.0	3213.0	3332.0	3451.0	3570.0	3689.0	3808.0	3927.0	4046.0	4165.0	4284.0
120.0	3000.0	3120.0	3240.0	3360.0	3480.0	3600.0	3720.0	3840.0	3960.0	4080.0	4200.0	4320.0
121.0	3025.0	3146.0	3267.0	3388.0	3509.0	3630.0	3751.0	3872.0	3993.0	4114.0	4235.0	4356.0
122.0	3050.0	3172.0	3294.0	3416.0	3538.0	3660.0	3782.0	3904.0	4026.0	4148.0	4270.0	4392.0
123.0	3075.0	3198.0	3321.0	3444.0	3567.0	3690.0	3813.0	3936.0	4059.0	4182.0	4305.0	4428.0
124.0	3100.0	3224.0	3348.0	3472.0	3596.0	3720.0	3844.0	3968.0	4092.0	4216.0	4340.0	4464.0
125.0	3125.0	3250.0	3375.0	3500.0	3625.0	3750.0	3875.0	4000.0	4125.0	4250.0	4375.0	4500.0
126.0	3150.0	3276.0	3402.0	3528.0	3654.0	3780.0	3906.0	4032.0	4158.0	4284.0	4410.0	4536.0
127.0	3175.0	3302.0	3429.0	3556.0	3683.0	3810.0	3937.0	4064.0	4191.0	4318.0	4445.0	4572.0
128.0	3200.0	3328.0	3456.0	3584.0	3712.0	3840.0	3968.0	4096.0	4224.0	4352.0	4480.0	4608.0
129.0	3225.0	3354.0	3483.0	3612.0	3741.0	3870.0	3999.0	4128.0	4257.0	4386.0	4515.0	4644.0
130.0	3250.0	3380.0	3510.0	3640.0	3770.0	3900.0	4030.0	4160.0	4290.0	4420.0	4550.0	4680.0
131.0	3275.0	3406.0	3537.0	3668.0	3799.0	3930.0	4061.0	4192.0	4323.0	4454.0	4585.0	4716.0
132.0	3300.0	3432.0	3564.0	3696.0	3828.0	3960.0	4092.0	4224.0	4356.0	4488.0	4620.0	4752.0
133.0	3325.0	3458.0	3591.0	3724.0	3857.0	3990.0	4123.0	4256.0	4389.0	4522.0	4655.0	4788.0
134.0	3350.0	3484.0	3618.0	3752.0	3886.0	4020.0	4154.0	4288.0	4422.0	4556.0	4690.0	4824.0
135.0	3375.0	3510.0	3645.0	3780.0	3915.0	4050.0	4185.0	4320.0	4455.0	4590.0	4725.0	4860.0
136.0	3400.0	3536.0	3672.0	3808.0	3944.0	4080.0	4216.0	4352.0	4488.0	4624.0	4760.0	4896.0
137.0	3425.0	3562.0	3699.0	3836.0	3973.0	4110.0	4247.0	4384.0	4521.0	4658.0	4795.0	4932.0
138.0	3450.0	3588.0	3726.0	3864.0	4002.0	4140.0	4278.0	4416.0	4554.0	4692.0	4830.0	4968.0
139.0	3475.0	3614.0	3753.0	3892.0	4031.0	4170.0	4309.0	4448.0	4587.0	4726.0	4865.0	5004.0
140.0	3500.0	3640.0	3780.0	3920.0	4060.0	4200.0	4340.0	4480.0	4620.0	4760.0	4900.0	5040.0
141.0	3525.0	3666.0	3807.0	3948.0	4089.0	4230.0	4371.0	4512.0	4653.0	4794.0	4935.0	5076.0
142.0	3550.0	3692.0	3834.0	3976.0	4118.0	4260.0	4402.0	4544.0	4686.0	4828.0	4970.0	5112.0
143.0	3575.0	3718.0	3861.0	4004.0	4147.0	4290.0	4433.0	4576.0	4719.0	4862.0	5005.0	5148.0
144.0	3600.0	3744.0	3888.0	4032.0	4176.0	4320.0	4464.0	4608.0	4752.0	4896.0	5040.0	5184.0

A TABLE of FEET.

From 133 Foot, by 13 Foot; to 252 Foot, by 24 Foot. } AND, { From 145 Foot, by 25 Foot; to 264 Foot, by 36 Foot.

F. I.	F. I. 13.0	F. I. 14.0	F. I. 15.0	F. I. 16.0	F. I. 17.0	F. I. 18.0	F. I. 19.0	F. I. 20.0	F. I. 21.0	F. I. 22.0	F. I. 23.0	F. I. 24.0
133.0	1729.0	1862.0	1995.0	2128.0	2261.0	2394.	2527.	2660.	2793.	2926.	3059.	3192.
134.0	1742.0	1876.0	2010.0	2144.0	2278.0	2412.	2546.	2680.	2814.	2948.	3082.	3216.
135.0	1755.0	1890.0	2025.0	2160.0	2295.0	2434.	2565.	2700.	2835.	2970.	3105.	3240.
136.0	1768.0	1904.0	2040.0	2176.0	2312.0	2448.	2584.	2720.	2856.	2992.	3128.	3264.
137.0	1781.0	1918.0	2055.0	2192.0	2329.0	2466.	2603.	2740.	2877.	3014.	3151.	3288.
138.0	1794.0	1932.0	2070.0	2208.0	2346.0	2484.	2622.	2760.	2898.	3036.	3174.	3312.
139.0	1807.0	1946.0	2085.0	2224.0	2363.0	2502.	2641.	2780.	2919.	3058.	3197.	3336.
140.0	1820.0	1960.0	2100.0	2240.0	2380.0	2520.	2660.	2800.	2940.	3080.	3220.	3360.
141.0	1833.0	1974.0	2115.0	2256.0	2397.0	2538.	2679.	2820.	2961.	3102.	3243.	3384.
142.0	1846.0	1988.0	2130.0	2272.0	2414.0	2556.	2698.	2840.	2982.	3124.	3266.	3408.
143.0	1859.0	2002.0	2145.0	1288.0	2431.0	2574.	2717.	2860.	3003.	3146.	3289.	3432.
144.0	1872.0	2016.0	2160.0	2304.0	2448.0	2592.	2736.	2880.	3024.	3168.	3312.	3456.
145.0	1885.0	2030.0	2175.0	2320.0	2465.0	2610.	2755.	2900.	3045.	3190.	3335.	3480.
146.0	1898.0	2044.0	2190.0	2336.0	2482.0	2628.	2774.	2920.	3066.	3212.	3358.	3504.
147.0	1911.0	2058.0	2205.0	2352.0	2499.0	2646.	2793.	2940.	3087.	3234.	3381.	3528.
148.0	1924.0	2072.0	2220.0	2368.0	2516.0	2664.	2812.	2960.	3108.	3256.	3404.	3552.
149.0	1937.0	2086.0	2235.0	2384.0	2533.0	2682.	2831.	2980.	3129.	3278.	3427.	3576.
150.0	1950.0	2100.0	2250.0	2400.0	2550.0	2700.	2850.	3000.	3150.	3300.	3450.	3600.
151.0	1963.0	2114.0	2265.0	2416.0	2567.0	2718.	2869.	3020.	3171.	3322.	3473.	3624.
152.0	1976.0	2128.0	2280.0	2432.0	2584.0	2736.	2888.	3040.	3192.	3344.	3496.	3648.
153.0	1989.0	2142.0	2295.0	2448.0	2601.0	2754.	2907.	3060.	3213.	3366.	3519.	3672.
154.0	2002.0	2156.0	2310.0	2464.0	2618.0	2772.	2926.	3080.	3234.	3388.	3542.	3696.
155.0	2015.0	2170.0	2325.0	2480.0	2635.0	2790.	2945.	3100.	3255.	3410.	3565.	3720.
156.0	2028.0	2184.0	2340.0	2496.0	2652.0	2808.	2964.	3120.	3276.	3432.	3588.	3744.
157.0	2041.0	2198.0	2355.0	2512.0	2669.0	2826.	2983.	3140.	3297.	3454.	3611.	3768.
158.0	2054.0	2212.0	2370.0	2528.0	2686.0	2844.	3002.	3160.	3318.	3476.	3634.	3792.
159.0	2067.0	2226.0	2385.0	2544.0	2703.0	2862.	3021.	3180.	3339.	3498.	3657.	3816.
160.0	2080.0	2240.0	2400.0	2560.0	2720.0	2880.	3040.	3200.	3360.	3520.	3680.	3840.
161.0	2093.0	2254.0	2415.0	2576.0	2737.0	2898.	3059.	3220.	3381.	3542.	3703.	3864.
162.0	2106.0	2268.0	2430.0	2592.0	2754.0	2916.	3078.	3240.	3402.	3564.	3726.	3888.
163.0	2119.0	2282.0	2445.0	2608.0	2771.0	2934.	3097.	3260.	3423.	3586.	3749.	3912.
164.0	2132.0	2296.0	2460.0	2624.0	2788.0	2952.	3116.	3280.	3444.	3608.	3772.	3936.
165.0	2145.0	2310.0	2475.0	2640.0	2805.0	2970.	3135.	3300.	3465.	3630.	3795.	3960.
166.0	2158.0	2324.0	2490.0	2656.0	2822.0	2988.	3154.	3320.	3486.	3652.	3818.	3984.
167.0	2171.0	2338.0	2505.0	2672.0	2839.0	3006.	3173.	3340.	3507.	3674.	3841.	4008.
168.0	2184.0	2352.0	2520.0	2688.0	2856.0	3024.	3192.	3360.	3528.	3696.	3864.	4032.
169.0	2197.0	2366.0	2535.0	2704.0	2873.0	3042.	3211.	3380.	3549.	3718.	3887.	4056.
170.0	2210.0	2380.0	2550.0	2720.0	2890.0	3060.	3230.	3400.	3570.	3740.	3910.	4080.
171.0	2223.0	2394.0	2565.0	2736.0	2907.0	3078.	3249.	3420.	3591.	3762.	3933.	4104.
172.0	2236.0	2408.0	2580.0	2752.0	2924.0	3096.	3268.	3440.	3612.	3784.	3956.	4128.
173.0	2249.0	2422.0	2595.0	2768.0	2941.0	3114.	3287.	3460.	3633.	3806.	3979.	4152.
174.0	2262.0	2436.0	2610.0	2784.0	2958.0	3132.	3306.	3480.	3654.	3828.	4002.	4176.
175.0	2275.0	2450.0	2625.0	2800.0	2975.0	3150.	3325.	3500.	3675.	3850.	4025.	4200.
176.0	2288.0	2464.0	2640.0	2816.0	2992.0	3168.	3344.	3520.	3696.	3872.	4048.	4224.
177.0	2301.0	2478.0	2655.0	2832.0	3009.0	3186.	3363.	3540.	3717.	3894.	4071.	4248.
178.0	2314.0	2492.0	2670.0	2848.0	3026.0	3204.	3382.	3560.	3738.	3916.	4094.	4272.
179.0	2327.0	2506.0	2685.0	2864.0	3043.0	3222.	3401.	3580.	3759.	3938.	4117.	4296.
180.0	2340.0	2520.0	2700.0	2880.0	3060.0	3240.	3420.	3600.	3780.	3960.	4140.	4320.
181.0	2353.0	2534.0	2715.0	2896.0	3077.0	3258.	3439.	3620.	3801.	3982.	4163.	4344.
182.0	2366.0	2548.0	2730.0	2912.0	3094.0	3276.	3458.	3640.	3822.	4004.	4186.	4368.
183.0	2379.0	2562.0	2745.0	2928.0	3111.0	3294.	3477.	3660.	3843.	4026.	4209.	4392.
184.0	2392.0	2576.0	2760.0	2944.0	3128.0	3312.	3496.	3680.	3864.	4048.	4232.	4416.
185.0	2405.0	2590.0	2775.0	2960.0	3145.0	3330.	3515.	3700.	3885.	4070.	4255.	4440.
186.0	2418.0	2604.0	2790.0	2976.0	3162.0	3348.	3534.	3720.	3906.	4092.	4278.	4464.
187.0	2431.0	2618.0	2805.0	2992.0	3179.0	3366.	3553.	3740.	3927.	4114.	4301.	4488.
188.0	2444.0	2632.0	2820.0	3008.0	3196.0	3384.	3572.	3760.	3948.	4136.	4324.	4512.
189.0	2457.0	2646.0	2835.0	3024.0	3213.0	3402.	3591.	3780.	3969.	4158.	4347.	4536.
190.0	2470.0	2660.0	2850.0	3040.0	3230.0	3420.	3610.	3800.	3990.	4180.	4370.	4560.
191.0	2483.0	2674.0	2865.0	3056.0	3247.0	3438.	3629.	3820.	4011.	4202.	4393.	4584.
192.0	2496.0	2688.0	2880.0	3072.0	3264.0	3456.	3648.	3840.	4032.	4224.	4416.	4608.
193.0	2509.0	2702.0	2895.0	3088.0	3281.0	3474.	3667.	3860.	4053.	4246.	4439.	4632.
194.0	2522.0	2716.0	2910.0	3104.0	3298.0	3492.	3686.	3880.	4074.	4268.	4462.	4656.
195.0	2535.0	2730.0	2925.0	3120.0	3315.0	3510.	3705.	3900.	4095.	4290.	4485.	4680.
196.0	2548.0	2744.0	2940.0	3136.0	3332.0	3528.	3724.	3920.	4116.	4312.	4508.	4704.
197.0	2561.0	2758.0	2955.0	3152.0	3349.0	3546.	3743.	3940.	4137.	4334.	4531.	4728.
198.0	2574.0	2772.0	2970.0	3168.0	3366.0	3564.	3762.	3960.	4158.	4356.	4554.	4752.
199.0	2587.0	2786.0	2985.0	3184.0	3383.0	3582.	3781.	3980.	4179.	4378.	4577.	4776.
200.0	2600.0	2800.0	3000.0	3200.0	3400.0	3600.	3800.	4000.	4200.	4400.	4600.	4800.
201.0	2613.0	2814.0	3015.0	3216.0	3417.0	3618.	3819.	4020.	4221.	4422.	4623.	4824.
202.0	2626.0	2828.0	3030.0	3232.0	3434.0	3636.	3838.	4040.	4242.	4444.	4646.	4848.
203.0	2639.0	2842.0	3045.0	3248.0	3451.0	3654.	3857.	4060.	4263.	4466.	4669.	4872.
204.0	2652.0	2856.0	3060.0	3264.0	3468.0	3672.	3876.	4080.	4284.	4488.	4692.	4896.
205.0	2665.0	2870.0	3075.0	3280.0	3485.0	3690.	3895.	4100.	4305.	4510.	4715.	4920.
206.0	2678.0	2884.0	3090.0	3296.0	3502.0	3708.	3914.	4120.	4326.	4532.	4738.	4944.
207.0	2691.0	2898.0	3105.0	3312.0	3519.0	3726.	3933.	4140.	4347.	4554.	4761.	4968.
208.0	2704.0	2912.0	3120.0	3328.0	3536.0	3744.	3952.	4160.	4368.	4576.	4784.	4992.
209.0	2717.0	2926.0	3135.0	3344.0	3553.0	3762.	3971.	4180.	4389.	4598.	4807.	5016.
210.0	2730.0	2940.0	3150.0	3360.0	3570.0	3780.	3990.	4200.	4410.	4620.	4830.	5040.
211.0	2743.0	2954.0	3165.0	3376.0	3587.0	3798.	4009.	4220.	4431.	4642.	4853.	5064.
212.0	2756.0	2968.0	3180.0	3392.0	3604.0	3816.	4028.	4240.	4452.	4664.	4876.	5088.
213.0	2769.0	2982.0	3195.0	3408.0	3621.0	3834.	4047.	4260.	4473.	4686.	4899.	5112.
214.0	2782.0	2996.0	3210.0	3424.0	3638.0	3852.	4066.	4280.	4494.	4708.	4922.	5136.
215.0	2795.0	3010.0	3225.0	3440.0	3655.0	3870.	4085.	4300.	4515.	4730.	4945.	5160.
216.0	2808.0	3024.0	3240.0	3456.0	3672.0	3888.	4104.	4320.	4536.	4752.	4968.	5184.
217.0	2821.0	3038.0	3255.0	3472.0	3689.0	3906.	4123.	4340.	4557.	4774.	4991.	5208.
218.0	2834.0	3052.0	3270.0	3488.0	3706.0	3924.	4142.	4360.	4578.	4796.	5014.	5232.
219.0	2847.0	3066.0	3285.0	3504.0	3723.0	3942.	4161.	4380.	4599.	4818.	5037.	5256.
220.0	2860.0	3080.0	3300.0	3520.0	3740.0	3960.	4180.	4400.	4620.	4840.	5060.	5280.
221.0	2873.0	3094.0	3315.0	3536.0	3757.0	3978.	4199.	4420.	4641.	4862.	5083.	5304.
222.0	2886.0	3108.0	3330.0	3552.0	3774.0	3996.	4218.	4440.	4662.	4884.	5106.	5328.
223.0	2899.0	3122.0	3345.0	3568.0	3791.0	4014.	4237.	4460.	4683.	4906.	5129.	5352.
224.0	2912.0	3136.0	3360.0	3584.0	3808.0	4032.	4256.	4480.	4704.	4928.	5152.	5376.
225.0	2925.0	3150.0	3375.0	3600.0	3825.0	4050.	4275.	4500.	4725.	4950.	5175.	5400.
226.0	2938.0	3164.0	3390.0	3616.0	3842.0	4068.	4294.	4520.	4746.	4972.	5198.	5424.
227.0	2951.0	3178.0	3405.0	3632.0	3859.0	4086.	4313.	4540.	4767.	4994.	5221.	5448.
228.0	2964.0	3192.0	3420.0	3648.0	3876.0	4104.	4332.	4560.	4788.	5016.	5244.	5472.
229.0	2977.0	3206.0	3435.0	3664.0	3893.0	4122.	4351.	4580.	4809.	5038.	5267.	5496.
230.0	2990.0	3220.0	3450.0	3680.0	3910.0	4140.	4370.	4600.	4830.	5060.	5290.	5520.
231.0	3003.0	3234.0	3465.0	3696.0	3927.0	4158.	4389.	4620.	4851.	5082.	5313.	5544.
232.0	3016.0	3248.0	3480.0	3712.0	3944.0	4176.	4408.	4640.	4872.	5104.	5336.	5568.
233.0	3029.0	3262.0	3495.0	3728.0	3961.0	4194.	4427.	4660.	4893.	5126.	5359.	5592.
234.0	3042.0	3276.0	3510.0	3744.0	3978.0	4212.	4446.	4680.	4914.	5148.	5382.	5616.
235.0	3055.0	3290.0	3525.0	3760.0	3995.0	4230.	4465.	4700.	4935.	5170.	5405.	5640.
236.0	3068.0	3304.0	3540.0	3776.0	4012.0	4248.	4484.	4720.	4956.	5192.	5428.	5664.
237.0	3081.0	3318.0	3555.0	3792.0	4029.0	4266.	4503.	4740.	4977.	5214.	5451.	5688.
238.0	3094.0	3332.0	3570.0	3808.0	4046.0	4284.	4522.	4760.	4998.	5236.	5474.	5712.
239.0	3107.0	3346.0	3585.0	3824.0	4063.0	4302.	4541.	4780.	5019.	5258.	5497.	5736.
240.0	3120.0	3360.0	3600.0	3840.0	4080.0	4320.	4560.	4800.	5040.	5280.	5520.	5760.
241.0	3133.0	3374.0	3615.0	3856.0	4097.0	4338.	4579.	4820.	5061.	5302.	5543.	5784.
242.0	3146.0	3388.0	3630.0	3872.0	4114.0	4356.	4598.	4840.	5082.	5324.	5566.	5808.
243.0	3159.0	3402.0	3645.0	3888.0	4131.0	4374.	4617.	4860.	5103.	5346.	5589.	5832.
244.0	3172.0	3416.0	3660.0	3904.0	4148.0	4392.	4636.	4880.	5124.	5368.	5612.	5856.
245.0	3185.0	3430.0	3675.0	3920.0	4165.0	4410.	4655.	4900.	5145.	5390.	5635.	5880.
246.0	3198.0	3444.0	3690.0	3936.0	4182.0	4428.	4674.	4920.	5166.	5412.	5658.	5904.
247.0	3211.0	3458.0	3705.0	3952.0	4199.0	4446.	4693.	4940.	5187.	5434.	5681.	5928.
248.0	3224.0	3472.0	3720.0	3968.0	4216.0	4464.	4712.	4960.	5208.	5456.	5704.	5952.
249.0	3237.0	3486.0	3735.0	3984.0	4233.0	4482.	4731.	4980.	5229.	5478.	5727.	5976.
250.0	3250.0	3500.0	3750.0	4000.0	4250.0	4500.	4750.	5000.	5250.	5500.	5750.	6000.
251.0	3263.0	3514.0	3765.0	4016.0	4267.0	4518.	4769.	5020.	5271.	5522.	5773.	6024.
252.0	3276.0	3528.0	3780.0	4032.0	4284.0	4536.	4788.	5040.	5292.	5544.	5796.	6048.

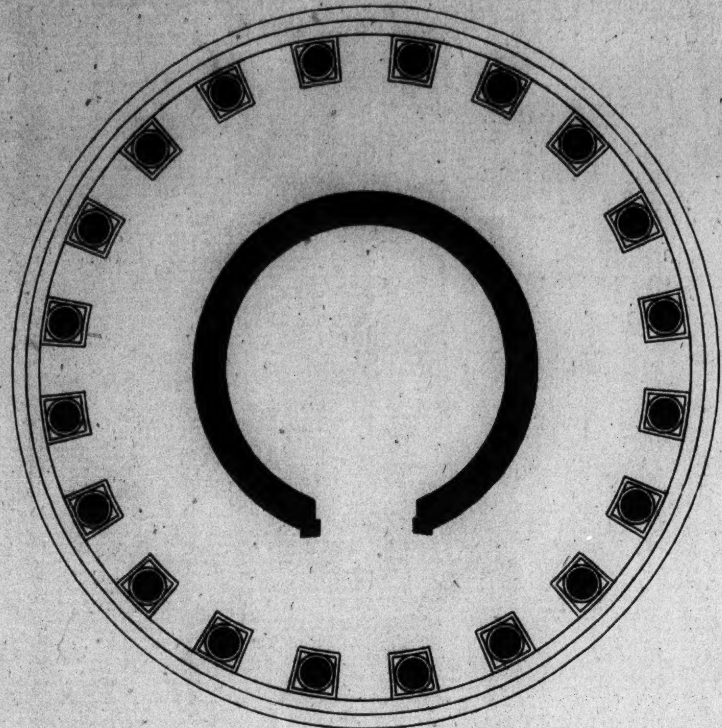
F. I.	F. I. 25.0	F. I. 26.0	F. I. 27.0	F. I. 28.0	F. I. 29.0	F. I. 30.0	F. I. 31.0	F. I. 32.0	F. I. 33.0	F. I. 34.0	F. I. 35.0	F. I. 36.0
145.	3625.	3770.	3915.	4060.	4205.	4350.	4495.	4640.	4785.	4930.	5075.	5220.
146.	3650.	3796.	3942.	4088.	4234.	4380.	4526.	4672.	4818.	4964.	5110.	5256.
147.	3675.	3822.	3969.	4116.	4263.	4410.	4557.	4704.	4851.	4998.	5145.	5292.
148.	3700.	3848.	3996.	4144.	4292.	4440.	4588.	4736.	4884.	5032.	5180.	5328.
149.	3725.	3874.	4023.	4172.	4321.	4470.	4619.	4768.	4917.	5066.	5215.	5364.
150.	3750.	3900.	4050.	4200.	4350.	4500.	4650.	4800.	4950.	5100.	5250.	5400.
151.	3775.	3926.	4077.	4228.	4379.	4530.	4681.	4832.	4983.	5134.	5285.	5436.
152.	3800.	3952.	4104.	4256.	4408.	4560.	4712.	4864.	5016.	5168.	5320.	5472.
153.	3825.	3978.	4131.	4284.	4437.	4590.	4743.	4896.	5049.	5202.	5355.	5508.
154.	3850.	4004.	4158.	4312.	4466.	4620.	4774.	4928.	5082.	5236.	5390.	5544.
155.	3875.	4030.	4185.	4340.	4495.	4650.	4805.	4960.	5115.	5270.	5425.	5580.
156.	3900.	4056.	4212.	4368.	4524.	4680.	4836.	4992.	5148.	5304.	5460.	5616.
157.	3925.	4082.	4239.	4396.	4553.	4710.	4867.	5024.	5181.	5338.	5495.	5652.
158.	3950.	4108.	4266.	4424.	4582.	4740.	4898.	5056.	5214.	5372.	5530.	5688.
159.	3975.	4134.	4293.	4452.	4611.	4770.	4929.	5088.	5247.	5406.	5565.	5724.
160.	4000.	4160.	4320.	4480.	4640.	4800.	4960.	5120.	5280.	5440.	5600.	5760.
161.	4025.	4186.	4347.	4508.	4669.	4830.	4991.	5152.	5313.	5474.	5635.	5796.
162.	4050.	4212.	4374.	4536.	4698.	4860.	5022.	5184.	5346.	5508.	5670.	5832.
163.	4075.	4238.	4401.	4564.	4727.	4890.	5053.	5216.	5379.	5542.	5705.	5868.
164.	4100.	4264.	4428.	4592.	4756.	4920.	5084.	5248.	5412.	5576.	5740.	5904.
165.	4125.	4290.	4455.	4620.	4785.	4950.	5115.	5280.	5445.	5610.	5775.	5940.
166.	4150.	4316.	4482.	4648.	4814.	4980.	5146.	5312.	5478.	5644.	5810.	5976.
167.	4175.	4342.	4509.	4676.	4843.	5010.	5177.	5344.	5511.	5678.	5845.	6012.
168.	4200.	4368.	4536.	4704.	4872.	5040.	5208.	5376.	5544.	5712.	5880.	6048.
169.	4225.	4394.	4563.	4732.	4901.	5070.	5239.	5408.	5577.	5746.	5915.	6084.
170.	4250.	4420.	4590.	4760.	4930.	5100.	5270.	5440.	5610.	5780.	5950.	6120.
171.	4275.	4446.	4617.	4788.	4959.	5130.	5301.	5472.	5643.	5814.	5985.	6156.
172.	4300.	4472.	4644.	4816.	4988.	5160.	5332.	5504.	5676.	5848.	6020.	6192.
173.	4325.	4498.	4671.	4844.	5017.	5190.	5363.	5536.	5709.	5882.	6055.	6228.
174.	4350.	4524.	4698.	4872.	5046.	5220.	5394.	5568.	5742.	5916.	6090.	6264.
175.	4375.	4550.	4725.	4900.	5075.	5250.	5425.	5600.	5775.	5950.	6125.	6300.
176.	4400.	4576.	4752.	4928.	5104.	5280.	5456.	5632.	5808.	5984.	6160.	6336.
177.	4425.	4602.	4779.	4956.	5133.	5310.	5487.	5664.	5841.	6018.	6195.	6372.
178.	4450.	4628.	4806.	4984.	5162.	5340.	5518.	5696.	5874.	6052.	6230.	6408.
179.	4475.	4654.	4833.	5012.	5191.	5370.	5549.	5728.	5907.	6086.	6265.	6444.
180.	4500.	4680.	4860.	5040.	5220.	5400.	5580.	5760.	5940.	6120.	6300.	6480.
181.	4525.	4706.	4887.	5068.	5249.	5430.	5611.	5792.	5973.	6154.	6335.	6516.
182.	4550.	4732.	4914.	5096.	5278.	5460.	5642.	5824.	6006.	6188.	6370.	6552.
183.	4575.	4758.	4941.	5124.	5307.	5490.	5673.	5856.	6039.	6222.	6405.	6588.
184.	4600.	4784.	4968.	5152.	5336.	5520.	5704.	5888.	6072.	6256.	6440.	6624.
185.	4625.	4810.	4995.	5180.	5365.	5550.	5735.	5920.	6105.	6290.	6475.	6660.
186.	4650.	4836.	5022.	5208.	5394.	5580.	5766.	5952.	6138.	6324.	6510.	6696.
187.	4675.	4862.	5049.	5236.	5423.	5610.	5797.	5984.	6171.	6358.	6545.	6732.
188.	4700.	4888.	5076.	5264.	5452.	5640.	5828.	6016.	6204.	6392.	6580.	6768.
189.	4725.	4914.	5103.	5292.	5481.	5670.	5859.	6048.	6237.	6426.	6615.	6804.
190.	4750.	4940.	5130.	5320.	5510.	5700.	5890.	6080.	6270.	6460.	6650.	6840.
191.	4775.	4966.	5157.	5348.	5539.	5730.	5921.	6112.	6303.	6494.	6685.	6876.
192.	4800.	4992.	5184.	5376.	5568.	5760.	5952.	6144.	6336.	6528.	6720.	6912.
193.	4825.	5018.	5211.	5404.	5597.	5790.	5983.	6176.	6369.	6562.	6755.	6948.
194.	4850.	5044.	5238.	5432.	5626.	5820.	6014.	6208.	6402.	6596.	6790.	6984.
195.	4875.	5070.	5265.	5460.	5655.	5850.	6045.	6240.	6435.	6630.	6825.	7020.
196.	4900.	5096.	5292.	5488.	5684.	5880.	6076.	6272.	6468.	6664.	6860.	7056.
197.	4925.	5122.	5319.	5516.	5713.	5910.	6107.	6304.	6501.	6698.	6895.	7092.
198.	4950.	5148.	5346.	5544.	5742.	5940.	6138.	6336.	6534.	6732.	6930.	7128.
199.	4975.	5174.	5373.	5572.	5771.	5970.	6169.	6368.	6567.	6766.	6965.	7164.
200.	5000.	5200.	5400.	5600.	5800.	6000.	6200.	6400.	6600.	6800.	7000.	7200.
201.	5025.	5226.	5427.	5628.	5829.	6030.	6231.	6432.	6633.	6834.	7035.	7236.
202.	5050.	5252.	5454.	5656.	5858.	6060.	6262.	6464.	6666.	6868.	7070.	7272.
203.	5075.	5278.	5481.	5684.	5887.	6090.	6293.	6496.	6699.	6902.	7105.	7308.
204.	5100.	5304.	5508.	5712.	5916.	6120.	6324.	6528.	6732.	6936.	7140.	7344.
205.	5125.	5330.	5535.	5740.	5945.	6150.	6355.	6560.	6765.	6970.	7175.	7380.
206.	5150.	5356.	5562.	5768.	5974.	6180.	6386.	6592.	6798.	7004.	7210.	7416.
207.	5175.	5382.	5589.	5796.	6003.	6210.	6417.	6624.	6831.	7038.	7245.	7452.
208.	5200.	5408.	5616.	5824.	6032.	6240.	6448.	6656.	6864.	7072.	7280.	7488.
209.	5225.	5434.	5643.	5852.	6061.	6270.	6479.	6688.	6897.	7106.	7315.	7524.
210.	5250.	5460.	5670.	5880.	6090.	6300.	6510.	6720.	6930.	7140.	7350.	7560.
211.	5275.	5486.	5697.	5908.	6119.	6330.	6541.	6752.	6963.	7174.	7385.	7596.
212.	5300.	5512.	5724.	5936.	6148.	6360.	6572.	6784.	6996.	7208.	7420.	7632.
213.	5325.	5538.	5751.	5964.	6177.	6390.	6603.	6816.	7029.	7242.	7455.	7668.
214.	5350.	5564.	5778.	5992.	6206.	6420.	6634.	6848.	7062.	7276.	7490.	7704.
215.	5375.	5590.	5805.	6020.	6235.	6450.	6665.	6880.	7095.	7310.	7525.	7740.
216.	5400.	5616.	5832.	6048.	6264.	6480.	6696.	6912.	7128.	7344.	7560.	7776.
217.	5425.	5642.	5859.	6076.	6293.	6510.	6727.	6944.	7161.	7378.	7595.	7812.
218.	5450.	5668.	5886.	6104.	6322.	6540.	6758.	6976.	7194.	7412.	7630.	7848.
219.	5475.	5694.	5913.	6132.	6351.	6570.	6789.	7008.	7227.	7446.	7665.	7884.
220.	5500.	5720.	5940.	6160.	6380.	6600.	6820.	7040.	7260.	7480.	7700.	7920.
221.	5525.	5746.	5967.	6188.	6409.	6630.	6851.	7072.	7293.	7514.	7735.	7956.
222.	5550.	5772.	5994.	6216.	6438.	6660.	6882.	7104.	7326.	7548.	7770.	7992.
223.	5575.	5798.	6021.	6244.	6467.	6690.	6913.	7136.	7359.	7582.	7805.	8028.
224.	5600.	5824.	6048.	6272.	6496.	6720.	6944.	7168.	7392.	7616.	7840.	8064.
225.	5625.	5850.	6075.	6300.	6525.	6750.	6975.	7200.	7425.	7650.	7875.	8100.
226.	5650.	5876.	6102.	6328.	6554.	6780.	7006.	7232.	7458.	7684.	7910.	8136.
227.	5675.	5902.	6129.	6356.	6583.	6810.	7037.	7264.	7491.	7718.	7945.	8172.
228.	5700.	5928.	6156.	6384.	6612.	6840.	7068.	7296.	7524.	7752.	7980.	8208.
229.	5725.	5954.	6183.	6412.	6641.	6870.	7099.	7328.	7557.	7786.	8015.	8244.
230.	5750.	5980.	6210.	6440.	6670.	6900.	7130.	7360.	7590.	7820.	8050.	8280.
231.	5775.	6006.	6237.	6468.	6699.	6930.	7161.	7392.	7623.	7854.	8085.	8316.
232.	5800.	6032.	6264.	6496.	6728.	6960.	7192.	7424.	7656.	7888.	8120.	8352.
233.	5825.	6058.	6291.	6524.	6757.	6990.	7223.	7456.	7689.	7922.	8155.	8388.
234.	5850.	6084.	6318.	6552.	6786.	7020.	7254.	7488.	7722.	7956.	8190.	8424.
235.	5875.	6110.	6345.	6580.	6815.	7050.	7285.	7520.	7755.	7990.	8225.	8460.
236.	5900.	6136.	6372.	6608.	6844.	7080.	7316.	7552.	7788.	8024.	8260.	8496.
237.	5925.	6162.	6399.	6636.	6873.	7110.	7347.	7584.	7821.	8058.	8295.	8532.
238.	5950.	6188.	6426.	6664.	6902.	7140.	7378.	7616.	7854.	8092.	8330.	8568.
239.	5975.	6214.	6453.	6692.	6931.	7170.	7409.	7648.	7887.	8126.	8365.	8604.
240.	6000.	6240.	6480.	6720.	6960.	7200.	7440.	7680.	7920.	8160.	8400.	8640.
241.	6025.	6266.	6507.	6748.	6989.	7230.	7471.	7712.	7953.	8194.	8435.	8676.
242.	6050.	6292.	6534.	6776.	7018.	7260.	7502.	7744.	7986.	8228.	8470.	8712.
243.	6075.	6318.	6561.	6804.	7047.	7290.	7533.	7776.	8019.	8262.	8505.	8748.
244.	6100.	6344.	6588.	6832.	7076.	7320.	7564.	7808.	8052.	8296.	8540.	8784.
245.	6125.	6370.	6615.	6860.	7105.	7350.	7595.	7840.	8085.	8330.	8575.	8820.
246.	6150.	6396.	6642.	6888.	7134.	7380.	7626.	7872.	8118.	8364.	8610.	8856.
247.	6175.	6422.	6669.	6916.	7163.	7410.	7657.	7904.	8151.	8398.	8645.	8892.
248.	6200.	6448.	6696.	6944.	7192.	7440.	7688.	7936.	8184.	8432.	8680.	8928.
249.	6225.	6474.	6723.	6972.	7221.	7470.	7719.	7968.	8217.	8466.	8715.	8964.
250.	6250.	6500.	6750.	7000.	7250.	7500.	7750.	8000.	8250.	8500.	8750.	9000.
251.	6275.	6526.	6777.	7028.	7279.	7530.	7781.	8032.	8283.	8534.	8785.	9036.
252.	6300.	6552.	6804.	7056.	7308.	7560.	7812.	8064.	8316.	8568.	8820.	9072.
253.	6325.	6578.	6831.	7084.	7337.	7590.	7843.	8096.	8349.	8602.	8855.	9108.
254.	6350.	6604.	6858.	7112.	7366.	7620.	7874.	8128.	8382.	8636.	8890.	9144.
255.	6375.	6630.	6885.	7140.	7395.	7650.	7905.	8160.	8415.	8670.	8925.	9180.
256.	6400.	6656.	6912.	7168.	7424.	7680.	7936.	8192.	8448.	8704.	8960.	9216.
257.	6425.	6682.	6939.	7196.	7453.	7710.	7967.	8224.	8481.	8738.	8995.	9252.
258.	6450.	6708.	6966.	7224.	7482.	7740.	7998.	8256.	8514.	8772.	9030.	9288.
259.	6475.	6734.	6993.	7252.	7511.	7770.	8029.	8288.	8547.	8806.	9065.	9324.
260.	6500.	6760.	7020.	7280.	7540.	7800.	8060.	8320.	8580.	8840.	9100.	9360.
261.	6525.	6786.	7047.	7308.	7569.	7830.	8091.	8352.	8613.	8874.	9135.	9396.
262.	6550.	6812.	7074.	7336.	7598.	7860.	8122.	8384.	8646.	8908.	9170.	9432.
263.	6575.	6838.	7101.	7364.	7627.	7890.	8153.	8416.	8679.	8942.	9205.	9468.
264.	6600.	6864.	7128.	7392.	7656.	7920.	8184.	8448.	8712.	8976.	9240.	9504.



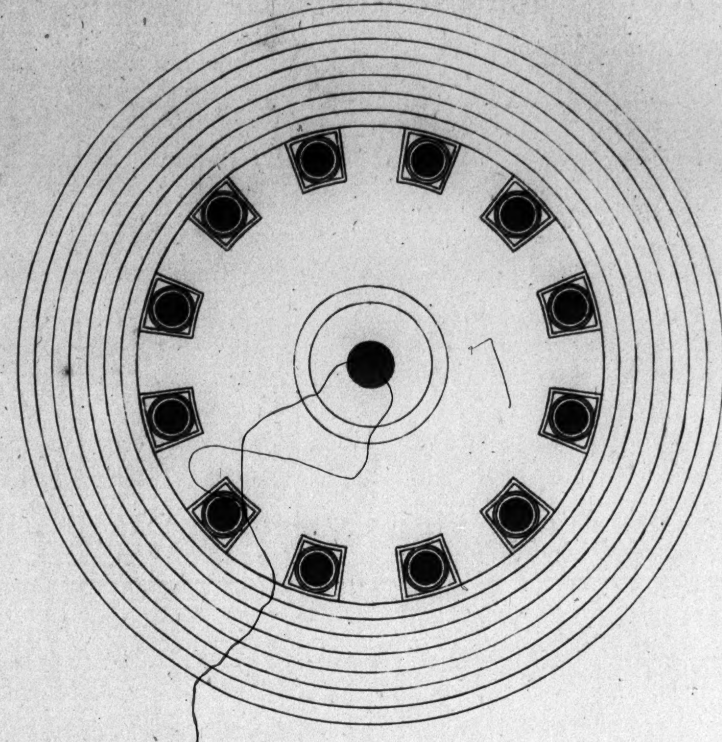
Thoˢ Rowland delin   J. Cole sculp

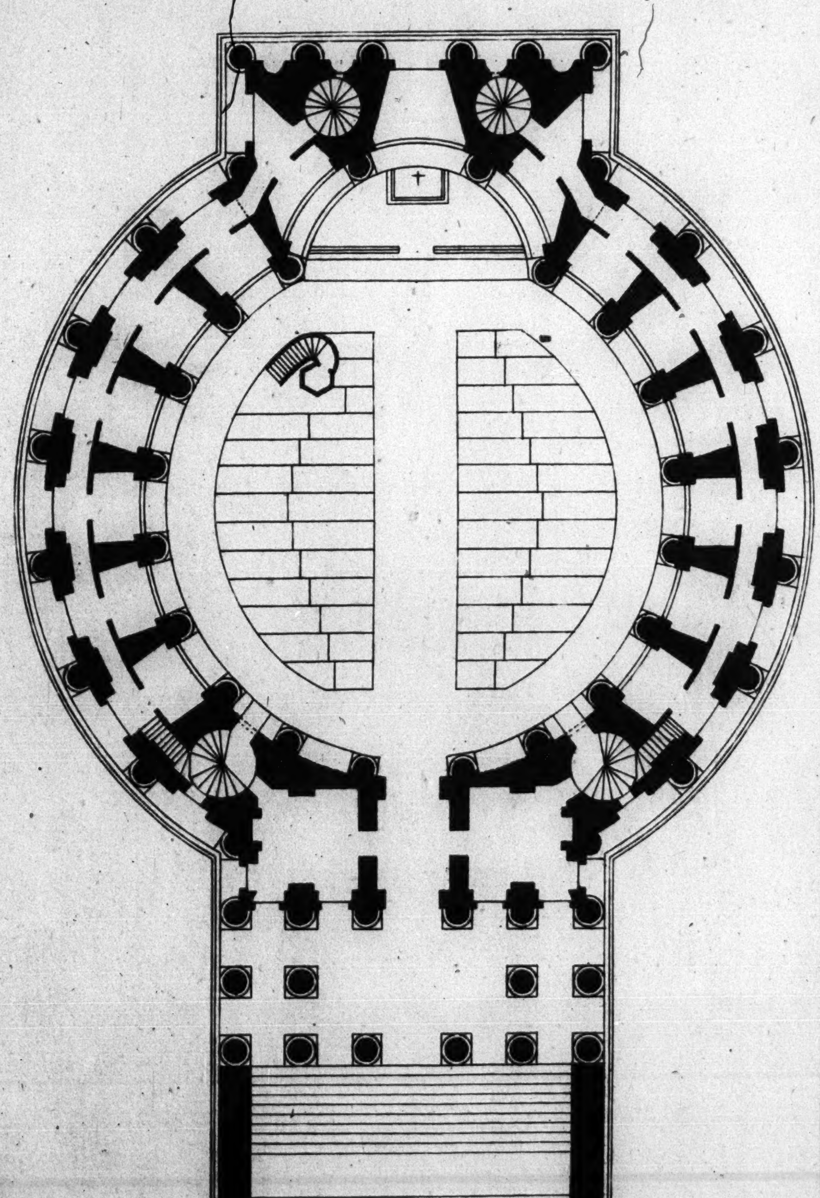
To face Page 36

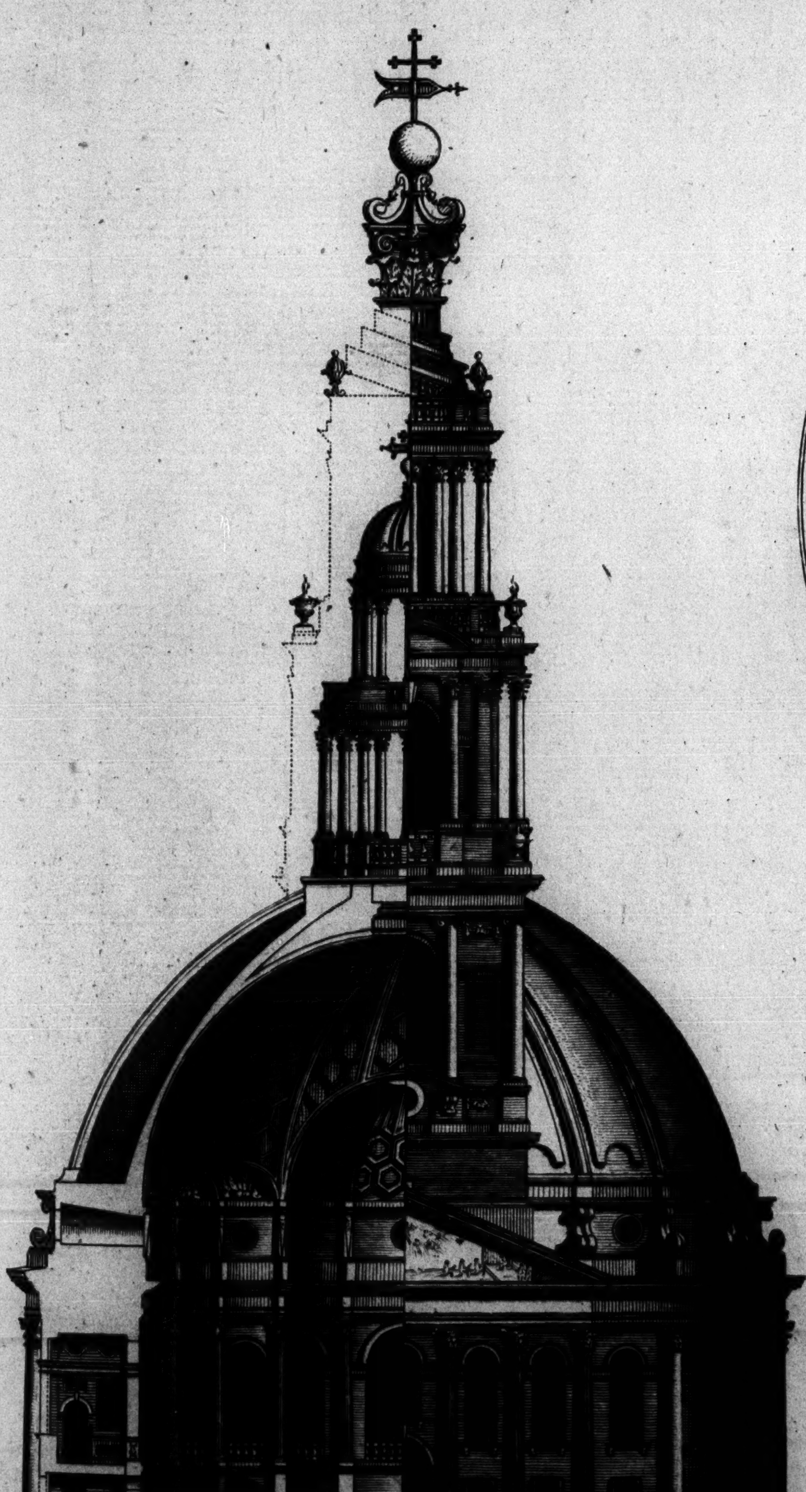
The Second Sort of Round Temples called Peripteres



The first sort of Round Temples called Monopteres







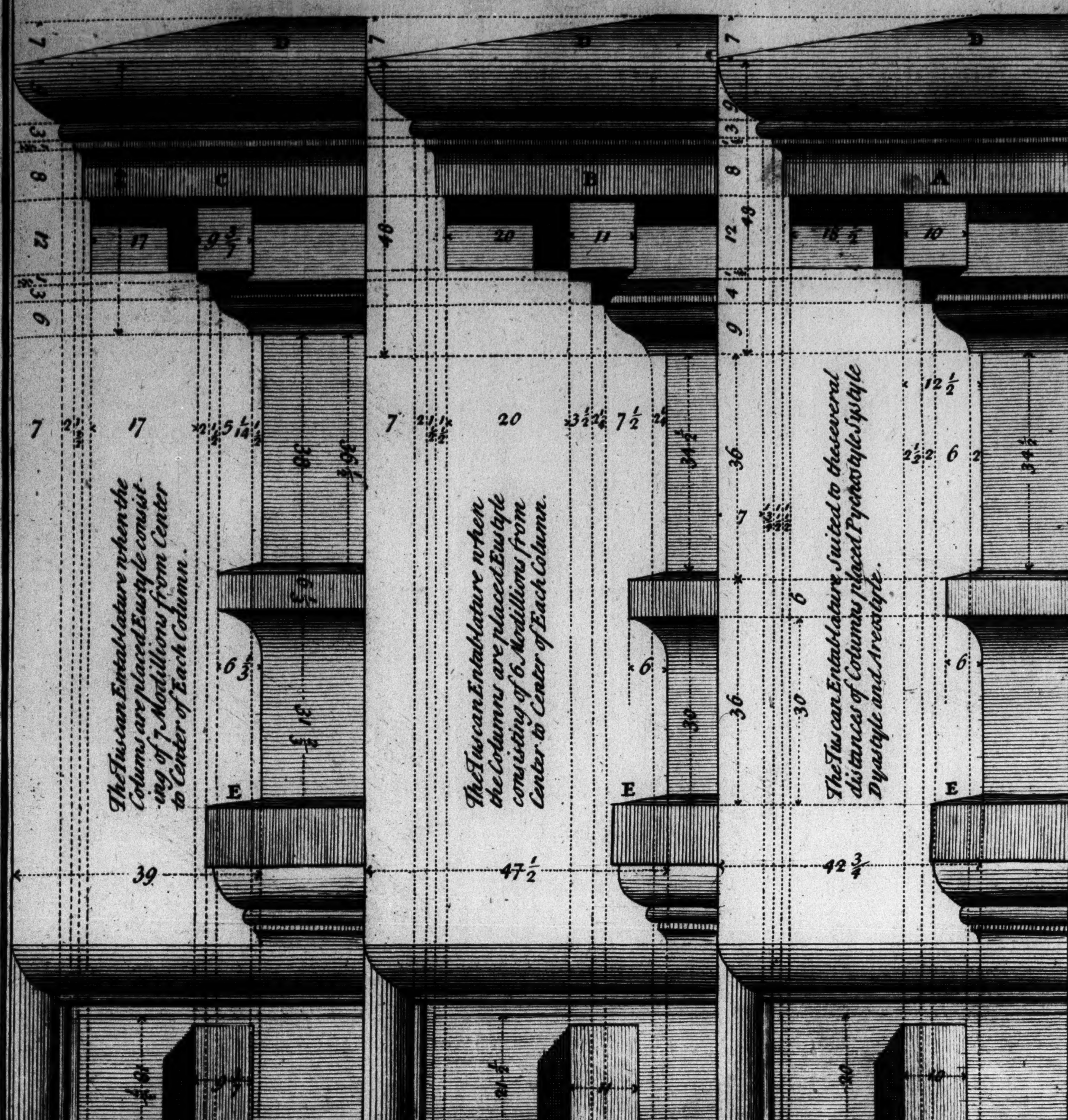
The Plan and Elevation of a Round or Circular Church, which is truly Noble & Grand, Suitable to the Service of Almighty God. There wants little or no Explanation, ye whole design being seen by Inspection. The Elevation is Half the Outside, and the Section of Half ye Inside, in the Center of the Arched Roof or Dome, is a Cupola, Consisting of two Orders of Columns, so contrived, as to be of little more Weight, then those generally made of One Order and altho' it should be much heavyer, yet the Butments and Arch is so strong, that it would bear ten times ye Weight. The Tower or Steeple for ye Bells &c is in ye West Front as usual, tho' some-thing different in Design from what I have seen.

Tho. Rowland Arch. et Delineavit

Tho. Langley Sculp.

Plate XXVIII.

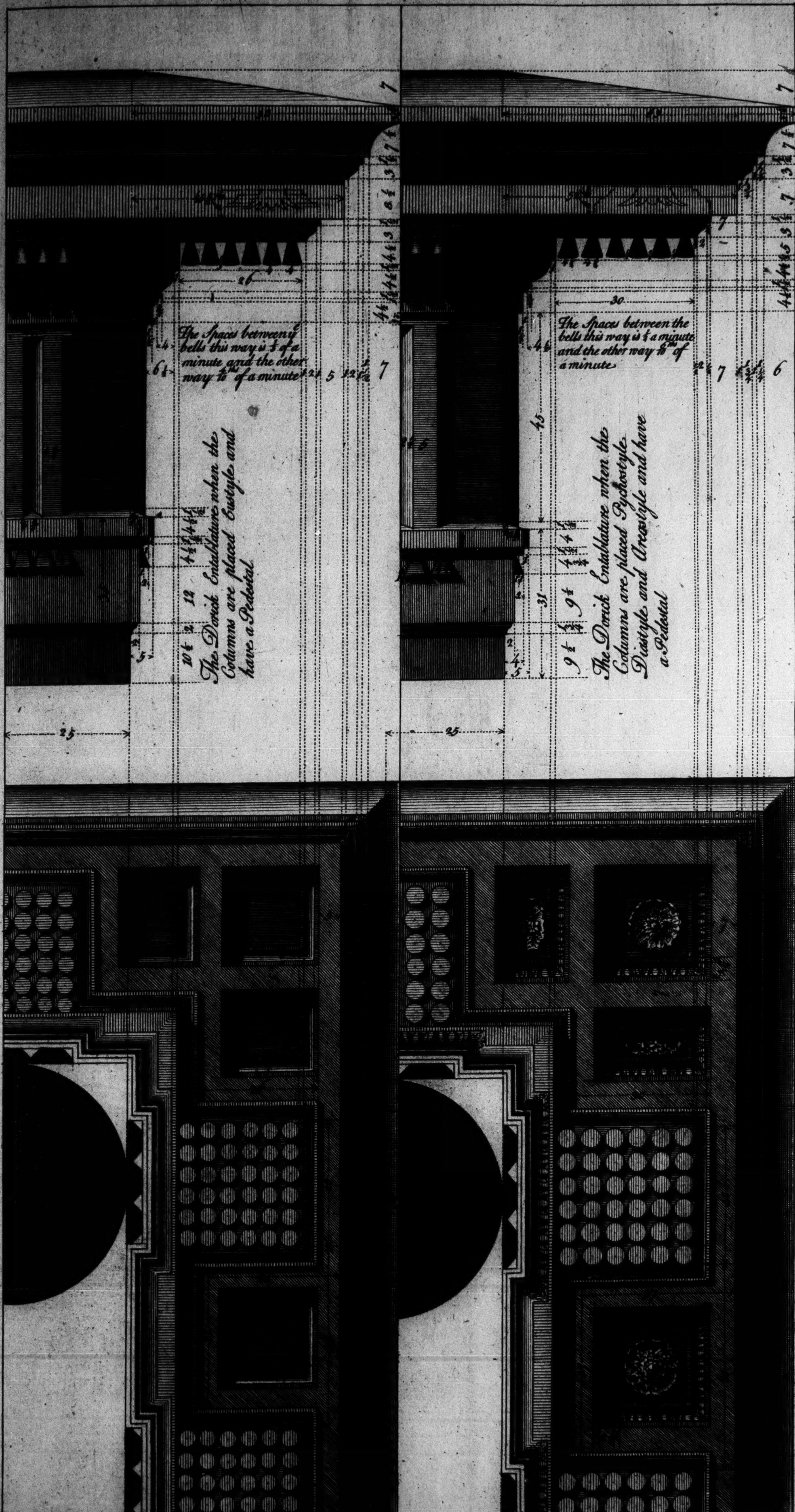
THE TUSCAN ENTABLATURE.



Tho. Kirkland Inv. J. Cole Sculp.

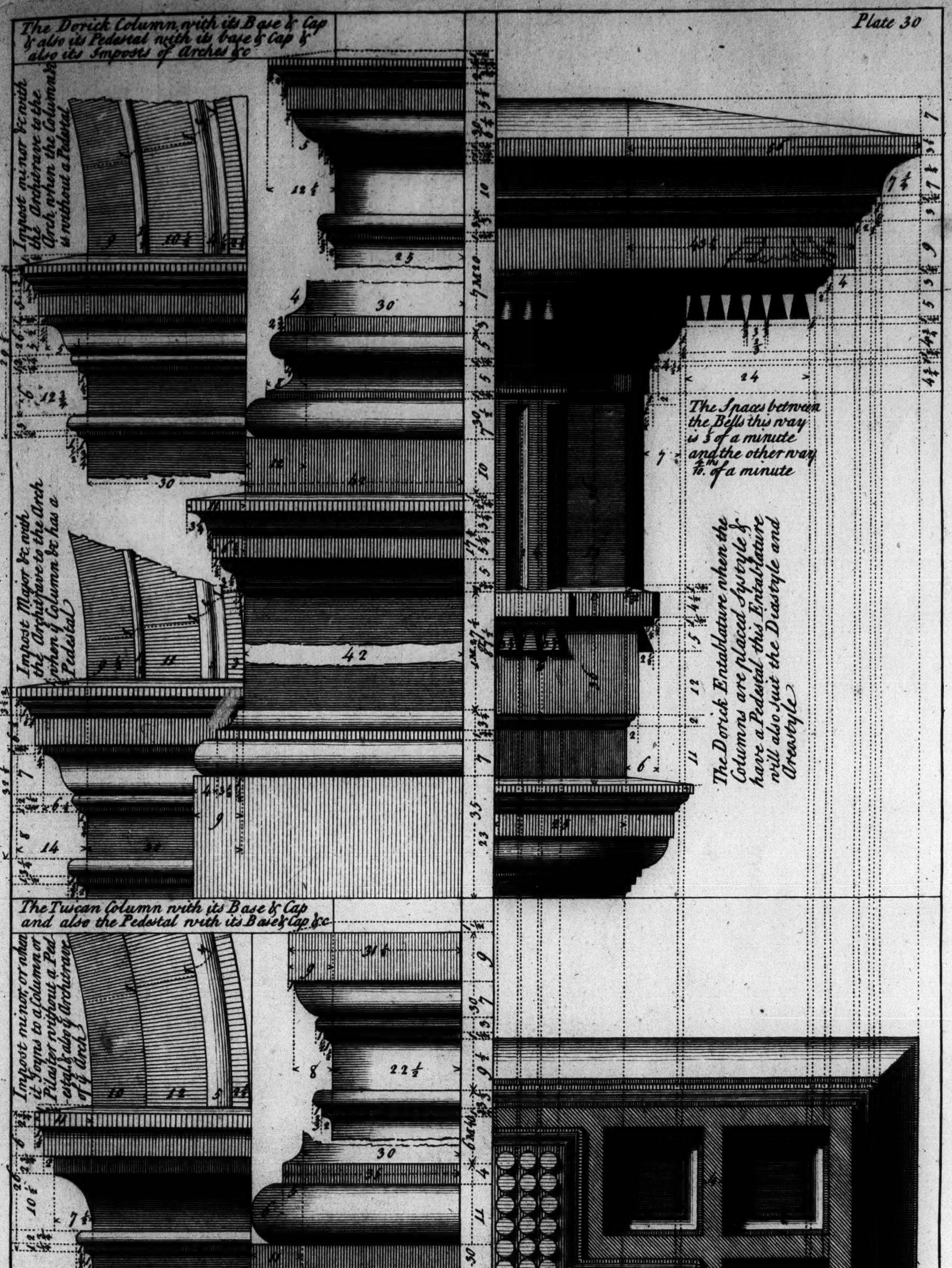
DDD The Current of the Cornices EEE The Current of the Capitals of the Columns as mention'd Page 44.

Plate



Thoˢ Rowland Architectus et Delin.

Thoˢ Langley Sculp



Thos. Rowland Arch. et Delin. Tho Langley Sculp